Construction News

RAILWAYS, STEAM AND ELECTRIC

Proposed Work

Pennsylvania—Beaver Valley Traction Co., New Brighton, plans to reconstruct 3,800 ft. of track. W. H. Boyce, New Brighton, Supt. and Park Mgr.

Pennsylvania—Womelsdorf, Richland & Myerstown Street Railway Co. chartered to build line from Womelsdorf and Myerstown to Richland, 8 mi. L. R. Valentine, Womelsdorf, and A. C. Klopp, Sheridan, interested. Noted May 18.

West Virginia—Cherry River & Southern Ry. plans line. Address G. W. Curtin, Curtin, W. Va.

West Virginia—Norfolk & Western Ry. plans to extend electric operation from Vivian westward, 10 mi. and from Welch up Tug Fork Branch, 5 mi. A. C. Needles, Roanoke, Va., Gen. Mgr.

West Virginia—Wellsburg & Eastern Railway Co. granted franchise for line along Buffalo Creek from Wellsburg, W. Va., to Washington, Penn., 25 mi. Noted Feb. 24.

North Carolina—Glennings Lumber Co. plans to rebuild Catawba Falls Ry. from Old Fort to Catawba Falls, 412 mi.

North Carolina—Seaboard Air Line made surveys for line from Hamlet to Gibson. W. D. Faucette, Norfolk, Va., Ch. Engr.

Georgia—Surveys made and right-of-way secured for electric railroad from Atlanta, Ga., to Anderson, S. C. W. A. Hammell, Atlanta, interested. Noted Mar. 30.

Georgia—A. M. Rea, Savannah, Secy. and Treas. of Savannah & Western Railway Co., and associates interested in line from Florence, Ga., to Estill, S. C., in connection with Seaboard Air Line to reach Savannah.

Florida—Hillsborough Interurban Railway plans line from Tampa to Safety Harbor. J. E. Winter, Tampa, Vice-Pres.

Florida—West Coast Electric Railway Co. applied for charter for line from Tampa to Venice, via Palmetto, Bradentown, Sarasota and Bee Ridge. A. E. Townsend, Sarasota, Gen. Mgr. Noted May 18.

Mississippi—Alabama & Mississippi R.R., Vinegar Bend, Ala., plans line from Leakesville to Laurel, 60 mi. M. Lankford, Supt. Ways and Streets. Noted Apr. 27.

Mississippi—Russe & Burgess, Inc., Isola, plans line to develop timber land.

Tennessee—Nashville, Chattanooga & St. Louis Ry. made surveys for line from Cope Springs to Big Ridge on Cumberland Mountain and to coal mines, Sequatchie. H. McDonald, Nashville, Ch. Engr. Noted Apr. 20.

Tennessee—New Orleans, Mobile & Chicago R.R. making preliminary plans for extending line from Middleton to Jackson. W. F. Owen, Mobile, Ala., Receiver. Noted June 1.

Ohio—Cleveland, Cincinnati, Chicago & St. Louis Ry. plans improvements at Bellefontaine. About $330,000. C. A. Paquette, Cincinnati, Ch. Engr.

Ohio—Cleveland, Southwestern & Columbus Electric Ry. secured right-of-way for 3 mi. cutoff around Berea. E. F. Schneider, 525 Garfield Bldg., Cleveland, Gen. Mgr.

Ohio—Letherman-Gehman Co. plans railroad switch across McGregor Ave., N. W., to warehouse, Canton.

Ohio—Mahoning Valley Ry. plans extending North Ave. line, Youngstown.

Missouri—Bd. Pub. Ser. authorized United Railway Co. to build tracks on St. Charles St., St. Louis. A. M. Lupfer, Portland, Ore., Ch. Engr.

Texas—Atchison, Topeka & Santa Fe Ry. making surveys for line from Lubbock through Brownfield and Terry County to point in Gaines County. C. F. W. Felt, Chicago, Ch. Engr.

Oklahoma—North Texas & Santa Fe R.R., subsidiary of Atchison, Topeka & Santa Fe R.R., applied for charter for railroad from Shattuck, Okla., west through Libscomb, Ochiltree and Hansford Counties, Tex. C. F. W. Felt, Chicago, Ch. Engr.

Arizona—(Press)—Phelps, Dodge & Co. plans to extend line of El Paso & Southwestern R.R. from Douglas to Sonora, via Cananea and Imuria.

Oregon—Roseburg & Eastern R.R. receiving bids about Sept. 25 for railroad, 30 mi. R. L. Whipple, City Recdr. Noted July 20.

California—Atchison, Topeka & Santa Fe Ry. making surveys for line from Redlands into Greenspot fruit dist. C. F. W. Felt, Chicago, Ill., Ch. Engr

California—Mindeler & Southern Railway Co. soon lets contract for line from Lindsay to Porterville, 11 mi. About $400,000. G. W. Harris, Lindsay, Ch. Engr.

Ontario—Canadian Northern Railway System, Toronto, plans to electrify Grand Beach Line. W. C. Muir, Winnipeg, Man., Gen. Mgr.

Bids In and Contracts Awarded

New Jersey—Pennsylvania R.R., Phillipsburg, let contract for enlarging and improving track space in yards to MINNEMAN-SINN CONTRACTING CO., Philadelphia, Penn.

Florida—Atlantic Coast Line R.R. let contract extending Haines City Branch from Sebring to Immokalee, 80 mi., to WADE, CLOWER & WADE, Jacksonville. Noted Mar. 2.

Tennessee—Contract railroad spur to mine of Columbus Coal Mining Co., Walkers Branch, Knoxville, let to SULLIVAN & ADAMS, Louisville.

Kentucky—Baltimore & Ohio R.R. let contract line, 26 mi., on Long Fork R.R. from Martin to Weeksbury to BATES & ROGERS CONSTRUCTION CO., Old Colony Bldg, Chicago. Noted June 22.

California—Visalia Electric Railroad Co. let contract grading 20 mi. roadbed in Porterville to ROBERT SHERER & CO. F. W. Webster, Exeter, Gen. Mgr.

British Columbia—Canadian Northern Railway Co. let contract railroad from Kamloops to Kelowna to NORTHERN CONSTRUCTION CO., 606 Union Bank Bldg., Winnipeg, Man. Noted Dec. 23.

LIGHT, HEAT AND POWER

Proposed Work

Maine, Bangor—E. Lisherness, Engr., 116 Exchange St., making plans for hydro-electric power plant. About $50,000.

Maine, Turner—Turner Light and Power Co. plans improvement to its plant.

Mass., Lynn—City granted franchise to Eastern Massachusetts Electric Co. to erect transmission lines on city property at Lynnfield.

N. Y., Hamburg—Depew & Lancaster Light, Power and Conduit Co. acquired local electric-light plant and will improve same.

N. Y., Northport—Long Island Lighting Co. granted permission to issue $80,000 capital stock and $92,000 bonds to improve its properties at Northport and Sayville.

N. Y., Syracuse—(Official)—New York State College of Forestry, Syracuse University, receiving bids Aug. 22 for power house. L. F. Pilcher, Capitol, Albany, State Arch. (See adv. Aug. 10 issue.)

N. J., Harrison—Crucible Steel Co. plans addition to boiler house.

N. J., New Brunswick—City Com. plans electric-light plant. A. Atkinson, City Engr.

Penn., Bowmansville—Bowmansville Electric Co., recently organized, granted franchise to install electric-light plant in Bowmansville.

Penn., Clifton Heights—Stewart & Fleet plans electric-light plant in connection with woolen mills.

Penn., Coatesville—Chester Valley Electric Co. plans addition to boiler room and power plant. F. W. Harris, Mgr. F. R. Weller, Hibbs Bldg., Washington, D. C., Arch.

Penn., New Castle—City making plans street lighting system, Long Ave., 5th and 8th Wards. E Brown, City Clk.

Penn., Somerset—L. C. Lambert making plans for hydro-electric power plant on Stonycreek River and dam, 750 ft. long.

N. C., Badin—Carolina Power and Light Co., Raleigh, plans hydro-electric plant on Yadkin River, Badin. P. A. Tillery, Raleigh, Ch. Engr.

La., St. Martinville—City receiving bids Aug. 22 for power house. A. Bienvenu, Mayor.

Ohio, Cincinnati—Cincinnati Sanitarium plans 65x75-ft. boiler house.

Mich., Lansing—Michigan State Fair Association plans to install electric-light system. G. W. Dickinson, Pontiac, Gen. Mgr.

Minn., Dover—Herbert Merrifield granted franchise to extend transmission lines through Dover.

Kan., Augusta—City soon votes on $10,000 electric-light extension bonds.

Neb., Omaha—Omaha Electric Light and Power Co. plans addition to plant. About $900,000.

S. D., Clark—City votes soon on installing electric-light system.

N. D., Esmond—Page & Holbrook, Rugby, interested in installation of electric-light system in Esmond.

Mo., Lebanon—(Official)—Citizens defeated $8,000 electric-light plant bonds. T. B. Burley, City Clk. Noted Aug. 3.

Ore., Myrtle Creek—City votes Aug. 26 to vote on $27,000 bonds for electric-light system improvements. M. G. Germond, Redmond, Engr. Noted July 27.

Calif., Los Angeles—City plans substation at 1636 St. John St., about $50,000. Homer Hamlin, City Engr.

Bids In and Contracts Awarded

N. Y., New York—(Bronx)—(Official)—Interborough Rapid Transit Co. let contract substation, 152nd St. and River Ave. to McDERMOTT & HANIGAN, 103 Park Ave., Manhattan.

W. Va., Sprigg—Tug River Electric Co. let contract addition to power house to C. E. CARLIN, Sprigg. About $15,000.

Mich., Negaunee—Bd. Pub. Wks. let contract addition to boiler house at electric-light plant to L. ERICKSON & SON, Ishpeming.

Mich., Three Rivers—Sheffield Car Co. let contract 1-story, 50x50-ft. hydro-electric plant to BENJAMIN DOUGLAS CO., Ann Arbor. Noted May 11.

Ill., Beardstown—Chicago, Burlington & Quincy Railroad Co. let contract boiler house and stack to C. W. GINDELE CO., South La Salle St., Chicago. About $15,000.

Ill., Lebanon—City let contract electric-light plant to F. C. SCHWANER & CO., Bank of Commerce Bldg., St. Louis, Mo. About $10,000. Noted Aug. 3.

Iowa, Sioux City—City let contract power and heating equipment in courthouse to McGRAW CO., $23,634.

S. D., Alcester—City let contract transmission line and distribution system, 10 mi., to A. HUBBARD ELECTRIC CO., 103 East 5th St. Noted July 13.

Calif., San Francisco—Pacific Gas and Electric Co. let contract raising Lake Spaulding Dam to TWOHY BROS., First National Bank Bldg.

Que., Quebec—Contract installing electric-light system at Quebec Exhibition Grounds let to GOULET & BELANGER, Quebec, about $11,000.

BRIDGES

Proposed Work

Maine, Hampden—City making plans for concrete highway bridge over Sourdabscock Stream. About $4,000. Paul D. Sargent, Engr.

Mass., Westfield—(Official)—City receiving bids Aug. 22 for concrete bridges over Little River and Munns Brook. John L. Hyde, Town Engr. Noted July 20. (See adv. in Aug. 10 issue.)

Mass., Westfield—(Official)—John L. Hyde, Town Engr., receiving bids Aug. 22 for 2 rein.-con. bridges. Noted Aug. 3.

N. J., Lambertville—Bd. Freeholders receiving bids Aug. 24 for bridge on Union St.

N. J., Pennsgrove—Salem & Pennsgrove Traction Co. plans bridge at Penn's Neck.

Penn., Easton—County making plans for 3 bridges. Address County Clk., Easton.

Penn., Harrisburg—County plans concrete bridge over Swartara Creek. About $20,000. Address County Clk., Harrisburg.

Penn., McConnellsburg—County Comrs. receiving bids Aug. 21 for bridge near Dublin Mills. Address County Clk., McConnellsburg.

Penn., New Castle—County submitted plans to State Comrs. for bridge over Big Run at Moravia St. T. A. Gilkey, New Castle, County Engr.

Md., Easton—See item under "Streets and Roads." Noted Apr. 20.

W. Va., Berkeley Springs—(Official)—Morgan County receiving bids Sept. 2 for rein.-con. bridges. Address County Clk., Berkeley Springs.

W. Va., Grafton—County Court receiving bids Aug. 22 for 3 bridges. Address County Clk., Grafton.

N. C., Dobson—County Comrs. plan replacing bridges destroyed by flood. Address County Clk., Dobson.

N. C., Yadkinville—County Comrs. plan replacing bridges destroyed by flood. Address County Clk., Yadkinville.

Ga., Vienna—Dooly County, Vienna and Sumpter County, Americus, plans bridge over Flint River at Murray's Ferry. Address County Clk., Vienna.

Fla., Cocoa—City will sell $75,000 bonds for Cocoa and Merritt Island Bridge. C. M. Roger, Daytona, Engr.

Fla., Escambia—Escambia Santa Rosa Bridge Co. plans bridge across Escambia River at Perry Pass.

Fla., Ft. Lauderdale—(Official)—County Comrs. soon receive bids for 2 steel highway bridges. Frank A. Bryan, Ft. Lauderdale, Clk. Noted June 22.

Bridges (Continued)

Fla., Jacksonville—County Comrs. making plans for bridge across St. Johns River. Harrington, Howard & Ash, Kansas City, Mo., Engr. Noted July 20.

Ala., Calvert—County receiving bids Aug. 28 for bridge across Poll Bayou. Address County Clk., Mobile.

Ala., Mobile—City and various railroads plan viaduct at 10th St.

Tenn., Waynesboro—Wayne County Court made appropriation for bridge across Roach Creek. Address County Clk., Waynesboro.

Ohio, Canton—City plans bridge over East Creek at 6th St., N. E.

Ohio, Cleveland—County soon to receive bids for completing Detroit-Superior Ave. bridge. William A. Stinchcomb, Cleveland, County Surv. Noted Feb. 24.

Ohio, Cleveland—County receiving bids Aug. 23 for bridge works per Report Nos. 3772, 3773, 3774 and 3775. E. S. Krause, Cleveland, County Clk.

Ohio, Columbus—County receiving bids Aug. 25 for repairing Eureaka Ave. culvert. John Scott, Clk.

Ohio, Coshocton—County Comrs. sold $12,300 bridge bonds. Address County Clk., Coshocton.

Ohio, Hamilton—County Comrs. receiving bids Aug. 23 for bridges across Seven Mile Creek. About $12,000. W. W. Crawford, Hamilton, County Clk. Noted Feb. 24.

Ohio, Wapakoneta—County Audr. receiving bids Aug. 18 for sale of $38,000 bridge bonds.

Ohio, Warren—County making plans for Main St. Bridge. R. E. Hempel, Warren, County Engr.

Ind., Elwood—Bd. County Comrs. making plans for 2 concrete bridges. Address County Clk., Anderson.

Ind., South Bend—County receiving bids Aug. 28 for 3 bridges. Address County Clk., South Bend.

Ind., South Bend—Bd. Comrs. receiving bids Aug. 21 for rein.-con. culvert. A. W. Wolf, South Bend, County Audr. Noted June 22.

Mich., Ann Arbor—(Official)—City receiving bids Sept. 6 for bridge over Huron River on Broadway.

Ill., Ottawa—County making plans for 12 bridges. About $8,000. Clifford Older, State Bridge Engr., Springfield.

Ill., Watseka—(Official)—County receiving bids Aug. 21 for 4 rein.-con. bridges. Benjamin Jordan, Watseka, County Supt. of Highways.

Wis., Sheboygan—C. U. Boley, Sheboygan, making plans for viaduct on South 14th St. About $50,000.

Iowa, Marshalltown—City making plans for bridge across Linn Creek. W. H. Steiner, City Engr.

Minn., Aitkin—County made plans for bridge over Ditch No. 30. H. C. Beecher, Aitkin, County Audr.

Minn., Bemidji—City receiving bids Aug. 21 for rein.-con. bridge across Mississippi River at inlet to Lake Bemedji. T. W. Swinson, City Engr. G. Stein, City Clk.

Minn., Bethel—County made plans for bridge near Bethel. Address County Clk., Anoka.

Minn., Byron—County receiving bids Aug. 21 for bridge work. Theodore Peterson, Rochester, County Audr.

Minn., Detroit—County plans Bridge No. 2278. Address County Clk., Detroit.

Minn., Kerkhoven—Town Bd. receiving bids Aug. 24 for bridge across Mud Creek, Sect. 18. D. P. Carney, Benson, County Audr.

Minn., Montevido—City plans Bridge No. 2340 over Minnesota River. J. J. Stennes, Audr.

Minn., Raymond—City making plans for Bridge No. 2314 in One Tree and Reiderland Townships.

Minn., St. Cloud—County receiving bids Aug. 23 for State Bridge No. 1988, and improving State Bridge No. 2014. N. Thomey, St. Cloud, County Audr.

Minn., Sauk Rapids—County made plans for Bridge No. 2315. Address County Clk., Sauk Rapids.

Minn., Windom—County making plans for Bridge No. 2333 in Delton Township. S. A. Brown, Windom, County Audr.

Minn., Worthington—County receiving bids Aug. 21 for 125 culverts. G. Swanberg, Worthington, County Audr.

Kan., Iola—(Official)—See item under "Streets and Roads."

Kan., Kansas City—Bd. Pub. Wks. making plans for rein.-con. bridge on 27th St. Hedrick & Hedrick, 506 Inter-State Bldg., Engr.

N. D., Crosby—County receiving bids Aug. 21 for steel bridge. T. W. Davies, Crosby, County Engr.

Neb., Omaha—City making plans for bridge across Missouri River between Omaha and Council Bluffs, Iowa.

Mo., Kansas City—City made plans for College Ave. Viaduct over Air Line. Waddell & Son, Graphic Arts Bldg., Kansas City.

Tex., Ft. Worth—City votes on $300,000 bonds for Allen Ave. Viaduct. J. Von Zuben, City Engr. Noted July 6.

Bids In and Contracts Awarded

Maine, Southport—City let contract bridges from Southport to Boothbay to F. W. EARLETON, Bath. About $17,500. Noted July 15.

Mass., Salem—County Comrs. let contract building bridge over Danvers River between Salem and Beverly to HOLBROOK, CABOT & ROLLINS CORPORATION, 6 Beacon St., Boston. About $171,367. Noted July 27.

N. Y., Perry—Town Bd let contract rein.-con. viaduct to SHAW & GRETHWOL, Batavia. Noted June 29.

N. Y., Portageville—(Official)—Town Supt. Genesee Falls let contract concrete arch bridge over Genesee River to CLEVELAND & SONS CO., Brockport, $24,720. Noted Aug. 2.

N. Y., Poughkeepsie—Central New England Railroad Co. let contract 2 bridges, North and Clinton St. to C. A. SIBLEY, Albany. About $22,000. Noted June 15.

Pennsylvania—Philadelphia & Reading R.R., Philadelphia, let contracts for bridges at Jenkintown and Ft. Washington to F. B. BRANAGAN, and slab and steel bridges at Shelly and Quakertown to A. L. CARHART.

Penn., Linesville—County Comrs. let contract bridge over Linesville Creek on Main St. to FERRY CONCRETE CO., Harrisburg. About $5,647.

Penn., Turtle Creek—Boro. Council let contract bridge on Maple Ave. to UNITED STATES CONSTRUCTION CO., Pittsburgh.

Penn., Williamson—County Comrs. let contract bridge to W. H. MURPHY & SON, Chambersburg.

W. Va., Hamlin—County Court let contract highway bridge across Guyandotte River to SHIPS & THOMPSON, Huntington. About $17,000. Noted July 27.

W. Va., Wheeling—(Official)—County let contract bridge work to LUTEN BRIDGE CO., York, Penn., about $9,900 and C. B. KIMBERLY CO., about $6,100. Noted Aug. 3.

Miss., Pascagoula—(Official)—Jackson County let contract bridge over West Pascagoula River to GINIA BRIDGE CO., Mobile, Ala. About $89,394. Noted July 6.

Tenn., Benton—Polk County Bridge Comr. let contract steel bridge over Hiwasee River to HANCOCK, HARBIN & HANCOCK, and VIRLORIMER & BUTLER BRIDGE CO., Chattanooga. About $22,979. Noted July 20.

Tenn., Knoxville—City let contract concrete arch bridge over Little River to LUTEN BRIDGE CO., Knoxville. About $11,598.

Ohio, Akron—(Official)—Summit County let contract bridge over canal on West Exchange St. to P. F. McCOURT CO., Akron. About $14,926. Noted July 27.

Ind., La Porte—(Official)—County let contracts for bridge and abutments to H. A. WILHELM, La Porte, WILLIAM A. STEIGELY, La Porte, FRANK SHAFFER, Mill Creek, and ROCHESTER BRIDGE CO., Rochester. Noted Aug. 3.

Ind., Salem—County let contract 6 bridges to MONTGOMERY-PARKER CO., Hatfield. About $11,150. Noted July 20.

Ill., Carthage—City let contract rein.-con. bridge to GEORGE GRIFFITH, JR., 428 Odd Fellows Bldg., St. Louis. About $12,600.

Ill., German Valley—City let contract Molter Bridge to W. A. SILJEQUIST, Freeport.

Ill., Joliet—County let contract Baker Bridge to G. POWERS, Joliet. About $4,065.

Ill., Mt. Carroll—(Official)—County let contract for 8 bridges to G. E. HUNGERFORD, Mt. Carroll; about $6,733; 14 bridges and culverts to O. KAMPWEIER, Shannon; about $5,464; W. E. BAILEY, Chadwick, 7 bridges and culverts; about $3,155. Noted July 20.

Ill., Quincy—County let contract rein.-con. box culvert to C. A. WEVER & SON, Clayton. Noted June 29.

Wis., De Pere—City let contract repairing Main St Bridge over Fox River to GREILING BROS. CO., Green Bay. About $7,300.

Wis., Racine—Peter Myers, Atty., let contract repairing highway bridges in Root River Drainage Dist. to WORDEN ALLEN CO., Milwaukee. About $8,310.

N. D., Ellendale—(Official)—County let contract for 2 bridges to GREAT NORTHERN BRIDGE CO., Minneapolis, Minn. About $12,500 and $3,500. Noted July 27.

Mo., Kansas City—City received low bid from John McMurray Construction Co., Kansas City, for temporary approach to Kaw River bridge. About $19,450.

Mo., Kansas City—Kansas City Terminal Co. let contract bridge over Kaw River on Osage Ave. to ARKANSAS BRIDGE CO., 2d and Wyandotte St. About $1,500,000.

Ark., Earle—County Comrs. let contract viaduct from Arkansas bend of New Memphis Bridge to St. Francis Levee to BALL & PETERS, Memphis, Tenn. Noted Apr. 6.

Calif., Napa—County let contract concrete bridge over Conn Creek to C. H. GLIDERSLEEVE, Napa. About $5,415. Noted July 6.

Calif., Riverside—City let contract 7 bridges Drainage Dist. No. 2 to CALLAHAN & WINSHIP. About $52,700. Noted June 15.

Calif., Santa Ana—Bd. County Supervs. received low bids for bridge over Santa Ana River on West Chapman Ave. from H. Clay Kellogg, Santa Ana, $23,555; G. S. Atkinson, $27,100; S. M. Kerns, Long Beach, $25,850. S. H. Finley, Santa Ana, County Engr. Noted Aug. 3.

Calif., Spenceville—County Suprv., Marysville, rejected bids for concrete bridge over Dry Creek. Noted May 4.

WATER-WORKS

Proposed Work

Maine, Bath—City plans reservoir, 3,000,000-gal. capacity. About $50,000. E. S. Crosby, Chn. Com.

Mass., Fitchburg—City plans extending water mains in South Main St. A. W. F. Brown, Supt.

N. Y., Batavia—City votes Aug. 21 on $16,000 water bonds. Chester & Fleming, Pittsburgh, Penn., Engr.

N. Y., Johnstown—City plans storage reservoir. About $40,000.

N. Y., Lancaster—Village Engr. plans extending water system.

N. Y., Niagara Falls—City authorized $72,000 bonds for water mains. W. J. Callahan, Supt.

N. J., Ogdensburg—City plans water system. About $30,000.

Penn., Butler—State Water Comrs., Harrisburg, approved plans for water system.

Penn., Erie—Hammermill Paper Co. retained Chester & Fleming, Engr., Pittsburgh, to make plans for rein.-con. settling basins for 20,000,000-gal. filter plant. Bids soon to be received. E. W. Humphreys, Supt.

Penn., Harmony—State Water Comr. approved plans for water system.

Penn., Montrose—Montrose Water Co. plans improving water system and installing filters.

Penn., Punxsutawney—Punxsutawney Water Co. plans enlarging reservoir on hill south of West End.

N. C., Rougemont—City making plans for concrete reservoir and water mains. F. Rell, Engr.

Ga., Madison—City plans water system. G. W. Hubbard, Supt.

Tenn., Knoxville—City election Sept. 30 to vote on $225,000 water bonds. Address J. G. Crumbliss, Comr. Noted Aug. 3.

Ohio, Akron—City plans additional water system. About $225,000. Harry H. Frost, Supt.

Ohio, Alliance—City sold $120,000 water bonds. L. A. Tonkle, Supt. Noted July 20.

Ohio, Bucyrus—Water Com. recommends extension of water mains. Henry Diedrick, Supt.

Ohio, Cincinnati—John H. Allen, Pres. Longview Hospital Bldg. Comn., receiving bids Sept. 1 for c.-i. pipe, gate valves, etc. J. A. Heller, Supt.

Ohio, Cincinnati—City plans pumping station for Main and Central Ave. Dist. J. A. Hiller, Supt.

Ohio, Columbus—City plans enlarging filter plant.

Ohio, East Palestine—City sold $35,000 water bonds. W. H. Van Fossen, Supt.

Ohio, Galion—City plans purchase and improvement of water plant. M. J. Breece, Supt. and Secy.

Ohio, Lima—City plans improving water system. About $73,000. Joseph Askins, Supt.

Ohio, Medina—F. L. Rollins, Supt. Water-Wks., receiving bids Aug. 19 for filter plant and pumping station.

Ind., Hammond—City making plans for filter plant. E. N. Jewitt, Supt.

Mich., Highland Park—(Official)—Village receiving bids Aug. 21 for 40,000,000-gal. rein.-con. reservoir. R. M. Ford, Village Clk. Noted Aug. 3. (See adv.)

Ill., Barry—City receiving bids Aug. 24 for improving water-system. Noted July 27.

Ill., Beardstown—City plans 150,000-gal. water tank. Robert Maslin, City Clk.

Wis., Evansville—See item under "Sewers."

Iowa, Hampton—City soon to receive bids for water mains. Levi Talhem, Supt.

Iowa, Jewell—L. W. Cox, Engr., 621 Grand Ave., Des Moines, receiving bids Aug. 28 for extending water system. A. Alexander, Comr.

Iowa, Volga—City to vote Aug. 21 on $14,000 water bonds. Noted June 20.

Minn., Glenwood—City plans to extend water mains. J. L. McLaury, Supt.

Minn., St. Paul—City making plans for water system. John F. Druar, 311 Commercial Bldg., St. Paul.

Neb., Arnold—(Official)—City receiving bids Aug. 22 for water system. About $14,500. Leonard Stubing, Clk. Noted Aug. 3.

Neb., Wayne—City receiving bids Sept. 5 for sale of $12,000 water bonds. E. Murrill, Supt. Noted July 6.

Water-Works (Continued)

S. D., Belle Fourche—D. McCurchen, Water Comr., receiving bids Aug. 26 for water system. About $30,000.

Wyo., Rawlins—City plans new water system. About $150,000.

Ark., Stuttgart—City making plans for water system. About $85,000. White, Humphreys & Tovey, Pine Bluff, Engr.

Tex., Alba—City plans water system. About $25,000. Henry **Elrod,** Southwestern Life Bldg., Dallas, Engr.

Tex., Beaumont—City votes Sept. 5 on $330,000 water improvements bonds.

Tex., Miami—City retained Henry E. Elrod, Southwestern Life Bldg., Dallas, to make plans for water and electric-light systems. About $25,000.

Okla., Ardmore—City voted $45,000 water bonds. G. H. Bruce, City Clk. Noted July 27.

Okla., Crowder—City voted water bonds. Noted June 15.

Okla., Enid—City Comrs. plans to vote on bond issue for water system. Noted Apr. 20.

Okla., Tulsa—City voted $300,000 water bonds. H. H. Wyss, City Engr. Noted July 27.

Colo., Colorado Springs—City plans to improve water system. About $187,000. **B. B. Reynolds,** Supt.

Idaho, Coeur d'Alene—City defeated $280,000 water and light bonds. Noted June 22.

Ariz., Wickenburg—A. W. Aiken, Jr., Deputy Town Clk., will let contract about Sept. 15 for water system. Noted July 20.

Wash., Tacoma—City appropriated $23,000 for water mains. W. D. Nicheus, City Clk.

Que., Aylmer—Cim. Water Com. receiving bids Aug. 24 for filter plant. About $25,000. Noted May 18.

Ont., London—Utilities Bd. plans 10,000,000-gal. reservoir. **E. V. Buchanan,** Gen. Mgr.

Bids In and Contracts Awarded

Mass., Holbrook—City let contract extending water mains in South St. to A. C. TROJANO, 87 Lawrence St., Brockton. About $7,000. Noted July 6.

La., Shreveport—City rejected bids for pumping station.

La., Westwego—City to let contract in September for water system. V. A. Pitre, Interested. Noted July 27.

Ohio, Ironton—Dir. Pub. Ser. received low bids for pumping station and intake wells from Hosman & Shumway, Portsmouth, about $69,000, and Atkinson & Atkinson, Louisa, about $180,100.

Ohio, South Charleston—Bd. Trustees Pub. Affairs let contract water system to KELSO CO. About $36,000. Noted July 20.

Ind., Brazil—City let contract pumping station to STEEL & CO., Hymera.

Ill., Glendive—(Official)—Bd. Trustees let contract water system as follows: ROBERT SHANNON, 421 Pleasant St., Joliet pipe, about $24,704; KEYSTONE DRILLER CO., 53 West Jackson Blvd., Chicago, pump, about $1,500; CHICAGO BRIDGE AND IRON WORKS, 105th and Throop St., Chicago, tank and tower, about $4,095. Noted July 27.

Neb., Dixon—(Official)—City let contract water system to ALAMO ENGINE AND SUPPLY CO., Omaha. About $8,918. Noted July 27.

Tex., Kingsville—Bd. Comrs. let contract c.-i. pipe to AMERICAN CAST IRON PIPE CO., Birmingham, $32,902; and specials, $844; lead to KINGSVILLE LUMBER CO., Kingsville, $2,720; valves and valve boxes to FAIRBANKS CO., New Orleans, $3,333; hydrants to COLUMBIAN IRON WORKS, Chattanooga, Tenn. Noted July 20.

N. M., Springer—City let contract water and sewer systems to BROWN & DECEW CONTRACTING CO., Las Vegas. About $27,435. Noted Apr. 13.

Wash., Auburn—(Official)—City let contract 8,000-ft. water mains to W. H. GALLAGHER, Auburn. About 12½c. per lin.ft. Noted July 27.

Ore., Silverton—City let contract water system to SILVER FALLS TIMBER CO. About $16,000. Noted June 8.

SEWERS

Proposed Work

Mass., Haverhill—City plans sewer in Main St. Lewis C. Lawton, City Engr.

Conn., Hamden—City plans sewer system.

N. Y., Fulton—(Official)—City receiving bids Aug. 28 for storm sewer. C. Milton Allen, Jr., City Clk. (See adv.)

N. Y., New York—(Brooklyn)—(Official)—L. H. Pounds, Borough Pres., receiving bids Aug. 23 for sewers in Bay 35th St., East 4th St., Ave. I, 36th St., 16th Ave., 23d Ave., Ave. J, Delamere Pl., East 12th St., 71st St., East 7th St. and East 4th St.

N. Y., New York—(Manhattan)—(Official)—M. M. Marks, Borough Pres., receiving bids Aug. 23 for sewers in 22d St. and Wadsworth Terrace.

N. Y., Olean—Common Council receiving bids Aug. 23 for sanitary and storm sewers in West State St. E. E. Allen, City Engr. Noted July 27.

N. J., Camden—City receiving bids Aug. 21 for sewers. L. E. Farnham, City Engr.

N. J., Kingston—(Official)—Plans approved for sewage plant at St. Joseph's College. C. S. Sincerbeaux, Engr.

N. J., Montclair—City plans sanitary sewer in Laurel Pl. E. S. Clossom, Municipal Bldg., Engr.

N. J., Red Bank—(Official)—City plans sewer and sewage systems.

N. J., Riverton—Borough plans disposal plant. About $50,000. Haines & Sherman, Masonic Bldg., Camden, Arch.

N. J., South Orange—City passed ordinance for sewer in Walton Ave. Ira T. Redfern, City Engr.

N. J., Trenton—(Official)—City plans extending sewers in several streets. J. R. Feel, Jr., City Engr.

Penn., Beaver Falls—County Comrs. rejected bids for sewage plant. New bids to be received. Charles S. Donaldson, City Engr. Noted June 8.

Penn., Bellwood—City receiving bids Aug. 21 for sewer and Imhoff tank. Harvey Linton, 1717 13th St., Altoona, Engr.

Penn., Claremont—City plans sewer system. About $10,000.

Penn., Elwood City—City retained L. D. Tracey, Engr., Pittsburgh, to make plans for sewer in 4th ward.

Penn., Hazleton—State Bd. of Health authorizes sewer system. Barton E. Youngman, Engr.

Penn., Media—Borough Council plans improving and extending sewer system. About $70,000. Bonds sold.

Penn., Wellsboro—State Health Comr., Harrisburg, recommends sewage system and extending sewers.

D. C., Washington—Comrs. receiving bids Sept. 5 for sewers. J. Kappeyne, City Engr.

Ala., Anniston—City voted $20,000 sewer bonds. W. O. Ward, Clk.

Ala., Piedmont—City voted $20,000 sewer bonds. P. F. Roberts, Mayor. Noted May 4.

Ky., Richmond—City votes in November on sewer bonds. J. S. Boggs, City Engr.

Ohio, Akron—City receiving bids Aug. 25 for vitrified tile sewers. E. A. Zeisloft, Engr.

Ohio, Ashtabula—City plans sanitary sewers in Hines and Bancroft St. L. A. Amsden, City Engr.

Ohio, Batavia—H. C. Babbitt, Lockland, submitted plans for sewer system. About $33,000.

Ohio, Cleveland Heights—(Warrensville post office)—H. H. Canfield, Village Clk., receiving bids Sept. 5 for storm and sanitary sewers and water main in Hampshire Rd.

Ohio, Columbus—Jerry O'Shaughnessy, Supt. Water and Sewage, receiving bids Aug. 21 for sewage pumping station.

Ohio, Kent—City receiving bids Aug. 28 for $60,000 sewer bonds. Fred Bechtle, City Clk.

Ohio, Kenton—City plans sewer No. 1 in eastern district. C. H. Hutchinson, City Engr.

Ohio, Lebanon—City passed ordinance to issue $20,000 sewer bonds.

Ohio, Marion—City plans sanitary and storm sewers in Clover St. H. H. Noyes, City Engr.

Ohio, Massillon—City plans sewer in portion Fave St. H. McYost, City Engr.

Ohio, Napoleon—City making plans for storm water sewers in Washington St. W. O. Hudson, City Engr.

Ohio, Oak Harbor—L. L. Carstensen, Village Clk., receiving bids Aug. 28 for sewer in Ottawa St.

Ohio, Youngstown—Carnegie Steel Co. submitted plans to Bd. of Health for sewage plant. C. Brown, Pittsburgh, Penn., Ch. Engr.

Ind., Kokomo—Bd. Pub. Wks. receiving bids Aug. 21 for sewer.

Ind., Logansport—Bd. Pub. Wks. receiving bids Aug. 22 for sanitary sewer.

Ind., Princeton—City receiving bids about Sept. 1 for north side sanitary sewer. About $20,000. H. J. Toelle, City Engr.

Ind., South Bend—City plans sewers in West Division St. About $17,000. F. J. Anderson, City Engr.

Mich., Highland Park—(Official)—Village receiving bids Aug. 21 for drains in Davison and Dequindre Ave. R. M. Ford, Village Clk. (See adv.)

Mich., Houghton—See item under "Streets and Roads."

Mich., Iron Mountain—City plans sanitary sewers. Alvord & Burdick, 8 South Dearborn St., Chicago, Engr.

Ill., Chicago—John McGillen, Clk. Sanitary Dist. of Chicago, receiving bids Aug. 31 for sewer.

Ill., Du Quoin—City receiving bids Aug. 20 for sewers. H. A. Brazier, City Engr.

Wis., Appleton—Bd. Pub. Wks. receiving bids Sept. 2 for sewer in Fair St. E. L. Williams, City Clk.

Wis., Cashton—City receiving bids Aug. 21 for sewage plant. W. S. Woods, La Crosse, Consult. Engr.

Wis., Evansville—Bd. Pub. Wks. receiving bids Aug. 24 for 10 and 8 in. sewers, 2 manholes and 6 and 4 in. c.-i. water mains. E. B. Parsons, City Engr.

Wis., Mensha—City making plans for sanitary sewer. S. S. Little, City Clk. Noted July 27.

Wis., Whitefish Bay—City voted $100,000 sewer system bonds. E. Martel, City Clk. Noted Mar. 30.

Iowa, Eldon—(Official)—City rejected bids for sewer system. New bids Aug. 21. H. E. Ritz, City Clk. Noted Aug. 3.

Iowa, Muscatine—City plans improving sewer and drainage systems. About $16,000. C. H. Young, City Engr.

Minn., Chisholm—City plans 12 mi. sewer. About $30,000. B. H. Graham, Recdr.

Minn., Madison—City receiving bids Aug. 28 for sewer and sewage systems. L. P. Wolf, Germania Life Bldg., St. Paul, Engr.

Minn., Osakis—City plans sewers. S. J. Lyons, City Clk.

Kan., Sedan—City making plans for sewer system. About $25,000. E. T. Archer & Co., 514 New England Bldg., Kansas City, Mo., Engr.

N. D., Fargo—City Combs. plans trunk sewer. About $20,000. Frank L. Landers, City Engr.

Mont., Three Forks—City plans sanitary sewers. Swearington & McCulloch, Great Falls, Engr.

Mo., Harrisonville—City voted sewer bonds. G. Bird, Harrisonville, Engr. Noted July 27.

Tex., Crockett—City soon receives bids for sewer system. About $35,000. Address City Clk.

Tex., Ft. Worth—City to vote in September on $800,000 bonds; $360,000 for sewage plant and $300,000 for street improvements. Noted July 6.

Tex., Marlin—City made plans for sewer system. A. Goodrich, City Engr.

Tex., Victoria—City sold $35,000 sewer bonds. Noted July 20.

Okla., Ardmore—City voted $20,000 sewer bonds. V. Mullen, Mayor. Noted July 27.

N. M., Springer—See item under "Water-Works." Noted Mar. 9.

Calif., Corona—City Trustees retained Olmstead & Gillelen, Consult. Engr., 1112 Hollingsworth Bldg., Los Angeles, to make plans for storm sewer. About $100,000.

Calif., Hermosa Beach—City receiving bids Oct. 15 for sewage plant. About $27,000. C. R. Sumner, City Engr.

Calif., Los Angeles—City receiving bids Aug. 21 for storm and sanitary sewers. Homer Hamlin, City Engr.

Calif., Sacramento—City receiving bids Aug. 22 for sewers and drains. M. J. Desmond, City Clk.

Bids In and Contracts Awarded

Mass., Lenox—City let contract sewer system to SUSI & WILLIAMS, 306 Hanover St., Boston.

Conn., East Hartford—City let contract 10-in. sewer in Toland St. and 8-in. sewer in Pine, Fern and Bliss St. to LOUIS PATROSSI, Hartford. About $4,143.

N. Y., New York—(Broklyn)—(Official)—L. H. Pounds, Boro. Pres., Borough Hall, received low bids for sewer in portion Bedford Ave. from Angelo Paino, 2622 Bath Beach, Brooklyn, Arthur A. Dumproff, Pasquall Tonasetti. Noted Aug. 3.

N. Y., Utica—City let contract sewers in Wetmore and Newell St. and Jefferson Ave. to J. R. BAXTER, JR., Mann Bldg.

N. J., Skillman—New Jersey State Epileptic Village let contract sewage plant to J. F. SHANLEY CO., 31 Clinton St., Newark, $42,460. Noted June 29.

Penn., Brentwood—Borough Council let contract sanitary sewer Dist. No. 1 to FRANK GEORGE, 7121 Jenkins Arcade Bldg., Pittsburgh, $39,604. Noted May 25.

Penn., Midland—City let contract sanitary sewer to J. B. REED & CO., McKees Rocks, about $8,000 and storm sewers to BURNS BROS., New Castle, about $7,000.

Penn., Washington—City let contract sewers in Broad and Edwing St. to WILLIAM PICKETT CO.

Va., Williamsburg—City let contract sewer system to WINGO & DEANER, Richmond, $10,178. Noted Apr. 6.

Ala., Birmingham—City Comrs. let contract sewers in Woodland and Gate City to H. N. BOWDRY, Empire Bldg. About $18,236.

Ky., Lexington—(Official)—Bd. Comrs., City Hall, let contract sewage plant to SULLIVAN CONSTRUCTION CO., Lexington. About $207,184. Noted July 20.

Ohio, Newark—City let contract sewers in Gainor, Cedar Crest and Franklin Ave. and Prospect St. to M. T. KEELEY.

Ohio, Portsmouth—City let contract Hilltop sewer to A. E. MILLER CONSTRUCTION CO. About $41,000. Noted July 6.

Ohio, Ravenna—Dir. Pub. Ser. let contract sanitary sewers to HOAG & DALL, Commercial Bldg., Cleveland. About $8,567. Noted June 29.

Ind., Evansville—Bd. of Pub. Wks. let contracts for sewers in Magnolia and Geil Ave. to DENNIS SWEENEY; and in Pennsylvania and Ohio St. to EVANSVILLE PLUMBING CO. Noted Apr. 27.

Mich., Ann Arbor—(Official)—City let contract sewers to HOCHREIN & CO., Ann Arbor. About $13,088. Noted Aug. 10.

Ill., Chicago—(Official)—Low bid received Aug. 3 for Calumet Intercepting Sewer, Contract No. 7,

Sewers (Continued)

(a) concrete, spoil area furnished, (b) brick and concrete, spoil area furnished, (c) concrete, spoil removed by contractor, (d) brick and concrete, spoil removed by contractor from Nash-Dowdle Co., Chicago, (b) $989,701; T. J. Forschner Contracting Co., Lemont, (a) $900,761, (c) $912,031, (d) $1,018,731.

Ill., Dixon—City let contract sewer in Ottawa Ave. to RINL & SCHNEILL. Noted Apr. 20.

Wis., Laurium—Common Council let contract 8-in. sewer in several streets to JOSEPH CHATEL.

Wis., Superior—Bd. Pub. Wks. let contract sewer in several streets to MAGNUS PETERSON.

Wis., Washburn—Common Council let contract storm sewers in Bayfield St. to D. R. MERSWA, La Crosse.

Wis., Wausau—(Official)—Bd. Pub. Wks. let contract sewer in Adams St. to CARL LOTZ, Wausau. Noted July 27.

Iowa, Cedar Rapids—City let contract storm sewers in 20th and 21st St. and Park Ave. to J. B. FORD.

Iowa, Elkader—City let contract sewers to O. C. KRINGLE, Strawberry Point. Noted July 13.

Minn., Mabel—(Official)—City let contract sanitary sewer and sewage plant to W. C. FRASER, St. Paul, $6,842. Noted Aug. 3.

Minn., St. Paul—City let contract sewer in Selby Ave. to E. T. WEBSTER, $7,830.

Kan., Hiawatha—City let contract sewers and disposal plant to C. G. LAUNDER, 3821 Bell Bldg., Kansas City, Mo. Noted July 6.

S. D., Yankton—(Official)—City let contract sewer in Douglas Ave. to GOETZ CONSTRUCTION CO., Yankton.

Mont., Great Falls—City let contract drainage system in 1st Ave. to F. E. EVANS CONTRACTING CO., about $6,521; sanitary sewer in 3d Ave., S., to HOYT HAYDEN, about $11,857.

Tex., Itasca—City let contract sewer system to EMERSON & HANNON, Dallas. About $15,000. Noted Mar. 23.

Calif., Oakland—City let contract storm sewer in Beck St. to BAKER & MARTIN, 310 Sheldon Bldg., San Francisco, $8,777.

Calif., Stockton—City received low bids for lateral sewers from Chambers & Healey, about $11,994; W. F. Edwards, about $7,745.

GARBAGE

Proposed Work

Penn., Clearfield—City soon receiving bids for garbage incinerator on Guinea Hill. E. W. Hess, City Engr.

Ga., Griffin—City plans crematory.

Ohio, Canton—City making plans for garbage disposal plant. About $100,000. Noted Dec. 2.

Mich., Menominee—Common Council plans incinerator plant. About $5,000. F. S. Norcross, City Clk.

Ill., Mattoon—City plans garbage disposal plant. About $5,000.

Bids In and Contracts Awarded

Wash., Spokane—City let contract concrete smokestack at crematory to WEBER CHIMNEY CO., $6,603, crematory furnaces to DECARIE INCINERATOR CO., 345 McKnight Bldg., Minneapolis, $3,000. Noted July 20.

STREETS AND ROADS

Proposed Work

Mass., Boston—City plans expenditure of $25,000 for granolithic walks. E. F. Murphy, Comr. Pub. Wks.

Mass., Haverhill—City plans improving streets. Louis C. Lawton, City Engr.

Conn., New Britain—City plans improving Winthrop St. W. H. Hall, City Engr.

N. Y., Binghamton—City plans improving Commercial Ave. About $35,000.

N. Y., New York—(Borough of Brooklyn)—Bd. Estimates appropriated $120,000 for paving portion of Eastern Parkway.

N. Y., New York—(Brooklyn)—(Official)—L. H. Pounds, Borough Pres., receiving bids Aug. 23 for regulating, grading, curbing and laying sidewalks on Dahlgren Pl., Douglas St., East 12th St., East 34th St., Elmore Pl., Hegeman Ave., Hinsdale St., Sneidiker Ave., Ave. Q, East 12th St., 63d St., 71st St., 76th St., 84th St., 85th St., and Sackman St.

N. Y., New York—(Richmond)—(Official)—C. D. Van Name, Borough Pres., receiving bids Aug. 22 for regulating and repaving with bituminous concrete on present foundation Broadway.

N. Y., Niagara Falls—City plans paving portion River Rd.

N. Y., Ravenna—City plans improving Main St. About $14,000.

N. J., Blairtown—City plans improving roads. About $6,000.

N. J., Burlington—City plans paving or resurfacing several streets.

N. J., Hackettown—County plans improving 14 roads. About $22,500. Fred W. Salmon, Hackettown, County Engr.

N. J., Montclair—City plans paving Laurel Pl. Edgar S. Clossom, Municipal Bldg., Engr.

N. J., Newark—Bd. Street and Water Comrs. receiving bids Aug. 31 for improving Abington Ave.

N. J., Newark—Bd. Streets and Water Comrs. to let contract in September for paving Prince St.

N. J., Paterson—Bd. Pub. Wks. plans paving with concrete Harrison and Jefferson St. Samuel R Orcott, City Clk.

N. J., Plainfield—City plans paving Main St. with brick.

N. J., Wildwood—City plans paving curbs and gutters. About $20,000. Harry Weir, City Hall, Engr.

Penn., Alden—City plans resurfacing streets. About $10,000. Thomas C. Janvier, 30 Runnymeade Ave., Lansdowne, Engr.

Penn., Berlin—City voted $12,000 bonds for paving Main St.

Penn., Carlisle—City passed ordinance for paving South Hanover and West Pomfret St.

Penn., New Philadelphia—(Silver Creek post office)—Boro. Council plans expenditure of $20,000 for paving.

Penn., Newport—City plans paving with brick 4th, Marie, Market, Mulberry and Walnut St. About $100,000. P. G. Hertz, Boro. Secy.

Md., Baltimore—City plans paving portion Gay St. About $100,000. R. M. Cooksey, City Engr.

Md., Baltimore—State Rd. Comn. receiving bids Aug. 29 for 2 sections state road.

Md., Easton—County Comrs. sold $50,000 road and bridge bonds. Address County Clk., Easton.

Md., Rockville—County receiving bids Aug. 22 for 2-mi. highway. Berry E. Clark, Rockville, County Clk.

Va., North View—Town Council will issue $24,000 street paving bonds.

W. Va., Huntington—City plans paving Harrison Ave. with brick; also 21 other streets. About $200,000. John Sanborn, City Engr.

W. Va., Lewisburg—(Official)—County receiving bids Aug. 31 for road improvements. Address County Clk., Lewisburg. Noted Apr. 20.

W. Va., Wheeling—Pittsburgh West Virginia Coal Co. granted permit to pave 2 mi. Colliers Rd.

W. Va., Winfield—County defeated $49,000 and $100,000 road bonds. Address County Clk., Winfield.

N. C., Fayetteville—County voted $25,000 road bonds. Address County Clk., Fayetteville. Noted May 25.

Fla., Miami—County soon lets contract for 17 mi. road. Address County Clk., Miami.

Ala., Center—County receiving bids Aug. 26 for extending public road. Address County Clk., Center.

Miss., Carthage—County Comrs. issued $22,000 road bonds. Address County Clk., Carthage.

La., Convent—City plans voting $200,000 road bonds.

Miss., Granada—County Comrs. will issue $100,000 road improvement bonds. Address County Clk., Grenada.

La., Baton Rouge—East Baton Parish Police Jury plans 42-mi. gravelled roads. About $130,000. John J. Mendiger, City Engr.

La., Covent—City votes Sept. 19 on $200,000 road bonds.

La., Lake Charles—City plans paving number streets.

La., New Orleans—(Official)—Highway Dept. receiving bids Aug. 28 improving Monroe-Winnsboro Highway, Ouachita, Parish. W. E. Atkinson, State Highway Engr.

Tenn., Knoxville—City sold $50,000 park bonds, $28,000 street improvement bonds. John E. McMillan, Mayor.

Ky., Newport—City soon receives bids for paving portion 10th St. About $15,000. J. Hermann, Court House, Engr.

Ky., Paducah—Comr. Pub. Wks. receiving bids for concrete sidewalk. About $40,000. L. A. Washington, Comr. Noted Apr. 6.

Ohio, Bowling Green—County sold $270,000 road bonds. Address County Clk., Bowling Green.

Ohio, Cleveland—City to vote $3,500,000 street extension bonds. Robert Hoffman, City Engr.

Ohio, Cleveland Heights—(Warrensville post office)—H. H. Canfield, Village Clk. receiving bids Sept. 5th for improving Hampshire Rd.

Ohio, Coshocton—City Council sold $44,000 street improvement bonds.

Ohio, Dennison—City Council receiving bids Aug. 26 for improving portions of Logan and 6th St. H. J. Andrews, Clk. Noted Apr. 6.

Ohio, Geneva—Village Clk. receiving bids Aug. 21 for sale of $4,500 road bonds. W. E. Morgan, Clk.

Ohio, Lakewood—Dir. of Finance receiving bids Aug. 28 for $37,490 street improvement bonds. B. M. Cook, Dir.

Ohio, Lorain—City passed resolution No. 997 to improve portion of alley west of Broadway. C. M. Osborn, City Engr.

Ohio, Oak Harbor—City receiving bids Aug. 28 for improving portion of Ottawa St. Louis L. Carstensen, Clk.

Ohio, Painesville—City plans improving South State St. J. Crabbs, City Engr.

Ohio, Port Clinton—County Comrs. receiving bids Aug. 21 for $26,500 highway improvement bonds. Address County Clk., Port Clinton.

Ohio, Salem—City made plans for improving portion of Etna St. B. M. French, City Engr.

Ohio, Salem—City receiving bids Aug. 18 paving Jennings Ave., Greene St. B. M. French, City Engr.

Ohio, Springfield—City receiving bids Sept. 5 for $28,745 paving bonds. W. J. Barrett, City Audr.

Ohio, Springfield—City receiving bids Sept. 5 for sale of $28,396 street improvement bonds.

Ohio, Youngstown—City plans improving East Federal St. About $139,000. Frank Lillie, City Engr.

Ohio, Zanesville—City passed resolution to improve portion Pine St.

Ohio, Zanesville—City passed resolution to improve portion Osage St.

Ohio, Zanesville—City passed resolution to improve portion Brighton Blvd. John S. Dennis, City Engr.

Ind., Angola—County Comrs. receiving bids Sept. 5 for road on Dekalb-Steuben County Line. F. C. Dewey, Angola, Audr.

Ind., Bloomington—Monroe County Comrs. receiving bids Sept. 4 for roads in Washington Township. Address County Clk., Bloomington.

Ind., Canelton—County Comrs. receiving bids Sept. 5 for stone road in Oil Township. M. C. Conway, Canelton, Audr.

Ind., Columbus—County Comrs. approved plans for 6-mi. concrete road. About $101,200.

Ind., Corydon—City sold $6,260 road bonds.

Ind., Danville—City sold $9,280 road bonds.

Ind., Elwood—City receiving bids Aug. 21 for improving East South "A" St. E. Rummel, City Clk.

Ind., Ft. Wayne—City Council appropriated $7,500 for street improvements.

Ind., Greensburg—County Comrs. receiving bids Sept. 4 for roads in Washington and Adams Townships. John C. Barbe, Greensburg, Audr.

Ind., Indianapolis—County sold $47,400 highway bonds.

Ind., Indianapolis—Bd. Pub. Wks. receiving bids Sept. 1 for improving 15 streets. Joseph A. Rink, Pres.

Ind., Indianapolis—Bd. Pub. Wks. receiving bids Sept. 6 for paving 1st alley and portion Kenwood St.

Ind., Indianapolis—Bd. Pub. Wks. receiving bids Sept. 8 for improving several streets.

Ind., Indianapolis—Bd. Pub. Wks. receiving bids Aug. 21 for paving portion Temple and Noble St.

Ind., Jeffersonville—County Comrs. receiving bids Sept. 4 for crushed stone and screening road in Utica Township. G. W. Stoner, Jeffersonville, Audr.

Ind., Kokomo—Bd. Pub. Wks. receiving bids Aug. 21 for improving portion Locke St. B. Gavens, City Clk.

Ind., Lebanon—County Comrs. sold $47,000 gravel road bonds. Address County Clk., Lebanon.

Ind., Mt. Vernon—County sold $9,660 road bonds.

Ind., Nashville—County Comrs. receiving bids Sept. 4 for 3 gravel roads in Van Buren and Washington Townships. Olive Morrison, Nashville, Audr.

Ind., New Castle—A. D. Newell, Mayor and Bernard Rocks, Street Comr., plans improving The Narrows.

Ind., Newport—County Comrs. receiving bids Sept. 4 for gravel road in Eugene Township. Roy Slater, Newport, Audr.

Ind., Rushville—County Comrs. receiving bids Aug. 29 for roads in Posey and Walker Townships. Allen R. Holden, Rushville, Audr.

Ind., Seymour—County Comrs. sold $115,300 highway bonds. Address County Clk., Brownstown.

Ind., Wabash—County sold $40,000 gravel road bonds. Address County Clk., Wabash.

Mich., Adrian—City plans improving roads. J. L. Richards, County Bldg., Adrian, Engr.

Mich., Hastings—County Comrs. authorized paving 2 mi. roads.

Mich., Houghton—City plans grading Kearsarge St. and installing catch basin.

Ill., Berwyn—Bd. Local Imprvts. receives bids Sept. 1 for paving Grove Ave. Charles Smith, Pres. Bd.

Ill. Berwyn—Bd. of Local Imprvts. receiving bids Sept. 1 for paving East Ave. Charles Smith, Pres. Bd.

Ill., Berwyn—Bd. Local Imprvts. soon receives bids for paving Kenilworth Ave. Charles Smith, Pres. Bd.

Ill., Berwyn—City making plans for paving Highland, Euclid, Harvey and Cuyler Ave. Charles Smith, Pres. Bd. Local Imprvts.

Ill., Danville—City plans improving portion of West Main St.

Ill., Edwardsville—City soon receives bids for paving Randle St. About $23,000. George Schaiffer, Bohn Bldg., Engr. Noted Mar. 30.

Streets and Roads (Continued)

Ill., **Forest Park**—City plans paving 12th St. and Desplaines Ave. About $52,699. Joseph T. Carney, Clk.

Ill., **Galesburg**—Bd. Local Impvts. passed ordinance for paving Jefferson St. with brick. About $25,498.

Ill., **Joliet**—Bd. of Pub. Imprvts. soon receives bids for paving several streets with asphalt. C. D. O'Callahan, City Engr.

Ill., **Knoxville**—Charles Hoffman, Ch. Streets and Roads Com., receiving bids Aug. 28 for 10,000 sq.ft. cement road.

Ill., **Moline**—City plans paving portions of 6th Ave., 41st and 27th St.

Iowa, **Muscatine**—City plans improving Wyoming Hill.

Ill., **Peoria**—City plans paving portion Behrends Ave. About $14,435. L. D. Jeffries, City Engr.

Ill., **Rock Island**—City plans improving portion of 41st St. About $13,225. W. Treichlet, City Engr.

Wis., **Merrill**—City plans paving portions Mill, 1st and 2d St.

Wis., **Sheboygan**—City making plans for improving portion Giddings St. Will soon receive bids. Jerry Donahue, York Bldg., Engr.

Iowa, **Denison**—City receiving bids Aug. 21 for 10,000 sq.yd. concrete paving and 5,174 lin.ft. curbing. Frank Woolston, City Engr.

Iowa, **Dubuque**—J. J. Shea, City Recdr. receiving bids Aug. 17 for improving portion Eagle St.

Iowa, **Dubuque**—J. J. Shea, City Recdr. receiving bids Aug. 17 for improving portion Nevada St. Edward C. Blake, City Engr.

Iowa, **Dubuque**—J. J. Shea, City Recdr., receiving bids Aug. 17 for improving portion Pine St.

Iowa, **Dubuque**—J. J. Shea, City Recdr., receiving bids Aug. 17 for improving portion Viola St.

Iowa, **McGregor**—City making plans for highway between McGregor and North McGregor.

Iowa, **Sioux City**—City receiving bids Sept. 1 for 25,000 sq.yd. concrete paving, including 10,000 ft. concrete curb. T. H. Johnson, City Engr.

Minn., **Crookston**—City approved plans for paving Hunter St. with concrete. Noted Aug. 10.

Minn., **Osakis**—City plans cement sidewalks. S. J. Lyon, City Clk.

Minn., **St. Paul**—City plans paving portion Cretin Ave. O. Claussen, City Engr.

Minn., **St. Paul**—City plans paving portion Grand St. About $124,845.

Kan., **Iola**—(Official)—County receiving bids Aug. 22 for 6½ mi. road between Iola and Geneva; also 9 rein.-con. bridges and culverts. Address County Clk., Iola. Noted Aug. 10.

Kan., **Minneapolis**—City passed resolution to improve portion Mills St. A. D. Todd, Clk.

Kan., **Pittsburgh**—City passed resolution for improving portion Kansas Ave. Leonard Boyd, Clk.

Kan., **Pratt**—City petitioned to pave Main and Oak St. M. P. Jones, Clk.

Kan., **Topeka**—City plans paving portion Topeka Ave. Etta M. Covell, Clk.

Kan., **Wichita**—City plans paving portion Erie and 3rd St. B. C. Wills, City Engr.

Kan., **Wichita**—City plans paving portion Wabash Ave. H. D. Lester, Clk.

Neb., **Beatrice**—City passed ordinance for paving portions 8th, High, 6th, Lincoln and Grant St. H. M. Garrett, Clk.

Neb., **Holdrege**—City plans paving 20 blocks.

Neb., **Omaha**—City receiving bids Aug. 22 for paving 36th and 11 other streets. T. J. O'Connor, City Clk.

N. D., **Bismarck**—City making plans for paving several streets. R. H. Thistlewaite, City Clk. Noted Apr. 27.

Mont., **Great Falls**—County plans 450 mi. gravel and crowned dirt roads. About $500,000. E. A. Smith, Great Falls, interested.

Mo., **Chillicothe**—City plans paving and curbing portion of Ann St. J. O. Broaddus, City Engr.

Mo., **Chillicothe**—City making plans for repaving Locust St. with brick.

Mo., **Holton**—A. W. Mosley, Ch. Deputy Engr., receiving bids Aug. 21 for grading and paving Swope Park-Hickman Mills Rd.

Mo., **Jefferson City**—County voted $300,000 road bonds. Address County Clk., Jefferson City. Noted July 20.

Mo., **Maysville**—City making plans 6,000 yd. vitrified paving and 4,000 lin.ft. concrete curb and gutter. Charles E. McCrea, 217 Glendale Bldg., Kansas City, Engr.

Ark., **Dardanelle**—City plans 2-mi. concrete sidewalks. S. A. Huckaby, City Recdr.

Ark., **Little Rock**—St. Francis Rd. Dist. plans 65-mi. road. About $252,463. H. Levinson, City Engr.

Ark., **Little Rock**—City passed ordinance for paving portion 16th St. with creosoted wood blocks. W. M. Kavanaugh, Pres. Council.

Tex., **Austin**—County approved $121,000 of Ellis County levee bonds of Rd. Imprvt. Dist. No. 2.

Tex., **Corsicana**—County Comrs. sold $280,000 road bonds. Address County Clk., Corsicana.

Tex., **Dallas**—City plans paving Parry Ave. and Grand St.

Tex., **El Paso**—City plans paving South and Vrain St. and East Blvd.

Tex., **Dallas**—City making plans for highway from Dallas to Mineral Wells. D. E. Colp, Secy. Texas Good Rd. Assoc.

Tex., **Hereford**—City plans improving streets. Bryant & Huffman, Engr.

Okla., **Frederick**—City plans paving 13 streets. Address City Clk.

Okla., **Heavener**—Heavener Township voted $16,000 road bonds.

Okla., **McCurtain**—Diamond Township voted $20,000 road bonds. W. O. Jenkins, Clk.

Colo., **Boulder**—County Comrs. plan improving Boulder Canon Rd. Address County Clk., Boulder.

Colo., **Denver**—State Highway Comrs. plan to issue $25,000,000 road bonds. John M. Kuykendall, Ch. Comrs.

Idaho, **Boise**—City receiving bids Aug. 29 for purchase of $29,286 paving and grading bonds, Dist. No. 22.

Idaho, **Twin Falls**—(Official)—City receiving bids Sept. 1 for paving portion Shoshone St. About $28,000. Reese M. Williams,, City Clk. Noted July 20.

Utah, **Salt Lake City**—Gordon Snow, City Recdr., receiving bids Aug. 22 for paving several streets. S. Q. Cannon, City Engr.

Ariz., **Phoenix**—City passed ordinance for improving portions 1st and Monroe St.

Wash., **Centralia**—City plans sidewalks and paving several streets. About $7,000.

Wash., **Centralia**—City Comrs. adopted resolutions for paving South, Pearl, Pear and Plum St.

Wash., **Centralia**—City plans improving portions of J and 4th St. About $10,000. Roy Welch, City Engr.

Wash., **North Yakima**—City making plans for paving East Yakima Ave. About $28,000. N. A. Gilman, City Engr.

Wash., **Pomeroy**—City plans paving portion of Arlington St. Harry St. George, City Clk.

Wash., **Seattle**—City plans paving Terry and Borden Ave., about $12,000; also repaving 14th Ave., W., about $10,000. C. B. Bagley, Secy. Bd. Pub. Wks.

Ore., **Albany**—County Court receiving bids Sept. 6 for road. J. R. Stanard, Albany, County Clk.

Ore., **Bandon**—County plans grading and graveling roads. About $63,000. Address County Clk., Bandon.

Ore., **Hubbard**—City plans paving with asphalt 2d, 3d, A. C, D, G and J St. S. A. Cobb, Oregon City, Engr.

Ore., **Sandy**—City plans grading and paving with crushed rock Revenue Rd.

Ore., **Scio**—Town Council soon to let contract improving streets in business district. About $10,000.

Ore., **The Dalles**—County to vote in November on $260,000 road bonds. Address County Clk., The Dalles.

Calif., **Grass Valley**—State Highway Comm. soon to let contract for road work. W. S. Caruthers, Engr., Div. No. 3, State Highway Comrs.

Calif., **Los Angeles**—City passed ordinances for improving streets. H. Hamlin, City Engr.

Calif., **Oak Park**—(Sacramento post office)—City Comrs. plan paving portion East Ave.

Calif., **Placerville**—City soon receives bids for paving Main St.

Ont., **Windsor**—County plans 100 mi. roads in North Essex. Edward J. O'Neil Reeve, Sandwich South, Supt. Constr.

B. C., **Victoria**—City plans improving Oak Bay Ave. About $12,000. J. H. Rust, Engr.

Bids In and Contracts Awarded

Mass., **Reading**—(Official)—City let contract highway to JAMES WATKINS, 10 Fern Ave., Reading. Noted Aug. 10.

Mass., **Salem**—City let contract paving, curbing and sidewalks to M. McDONOUGH, Swampscott.

R. I., **Providence**—No bids received for paving Olney Sq. Comr. Pub. Wks. authorized work done by day labor.

Conn., **Bristol**—City let contract paving North Main St. to CONNECTICUT & RHODE ISLAND CO. About $2.10 sq.yd.

Conn., **Winchester**—Bd. Selectmen, Town Bldg., Winsted, let contract portion concrete or bituminous road on Main St. to WARREN BROS. CO., 142 Berkeley St. Noted July 6.

N. Y., **Albany**—City let contract paving and sewers in portion South Pearl St. to CRAMMOND CONSTRUCTION CORPORATION, 806 Park Ave. About $40,000.

N. Y., **Albany**—(Official)—State Highway Comn., 55 Lancaster St., received bids Aug. 14 for construction and repairing highways in various counties as follows: Road No. 5614, Loudon-Crescent Rd., Part 2, Albany County, 0.10 mi.: Brown & Lowe Co., Schenectady, $1,544. Road No. 1451, Stella-New Ireland Rd., Broome County, 4.70 mi.: T. H. Gill Co., Binghamton, N. Y., $52,486; Woodruff Edgecomb, Eastbranch, N. Y., $56,206. Road No. 1414, Venice Center-Genoa Cayuga County, 5.45 mi.: Frank Malone, Syracuse, $72,209; Frank J. Foote, Nunda, $74,657. Road No. 1435, Solon-Gee Brook Rd., Part 1, Cortland County, 6.07 mi.: Michael O'Brien, Cortland, $73,747; Rossney Contracting Corporation, Buffalo, $73,873. Road No. 1439, Sidney-Masonville Rd., Delaware County, 6.51 mi.: Albany Construction Co., Albany, $92,554. Road No. 1446, South Newstead-Peters Corners Rd., Erie County, 0.91 mi.: No bids. Road No. 1445 East Aurora-Lancaster Rd., Part 2, Erie County, 3.54 mi.: William F. Felton, Buffalo $51,981. Road No. 924-A Wales Center-Wales Rd., Erie County, 6.03 mi.: William F. Felton, Buffalo, $62,120; Frank J. Foote, Nunda, $64,456; Federal Paving Corporation, New York, $66,318. Road No. 1411, Wadhams Mills-Whallonsburg Rd., Essex County, 4.95 mi.: No bids. Road No. 1376 Bull Run-Bleecker Rd., Fulton County, 2.80 mi.: No bids. Road No. 5523, Wells-Speculator Rd., Part 2, Hamilton County, 6.74 mi.: Albany Construction Co., Albany, $117,038; Hassom Paving Co., Worcester, $139,590. Road No. 1362 Vanhornesville-Starkville Rd., Herkimer County, 5.84 mi.: No bids. Road No. 5617 Watertown-Philadelphia Rd., Part 2, Jefferson County, 5.03 mi.: Pathfinder Construction Co., Fulton, $61,464; Joseph McCormick, East Providence, R. I., $66,758. Road No. 513, Amsterdam-Morris Center, Montgomery County, 2.49 mi.: No bids. Road No. 773, Wendellville-Lockport Rd., Part 2, Niagara County, 2.38 mi.: Cold Spring Construction Co., Buffalo, $25,442; Carlisle O. Landel, Tonawanda, $30,444. Road No. 1355, North Western-Boonville Rd., Part 1, Oneida County, 6.15 mi.: Albany Construction Co., Albany, $75,608. Road No. 1415, Chapin-Palmyra Rd., Part 1, Ontario County, 3.95 mi.: Chambers & Barnes, Rochester, $40,219; W. J. Semper, Watertown, $43,656. Road No. 1427, Fulton-Volney Rd., Part 1, Oswego County, 0.57 mi.: Samuel Bonn, Syracuse, $8,731; Pathfinder Construction Co., Inc., Fulton, $8,920; Ralph F. Kelly, Oswego, $9,111. Road No. 1421, Center Berlin-Petersburg Rd., Rensselaer County, 7.20 mi.: Lane Construction Corporation, Meriden, Conn., $91,571; Martin Murray & Co., Inc., Troy, $90,664; Albany Construction Co., Albany, $93,945. Road No. 1148, Suffern-Mt. Ivy Rd., Rockland County, 8.62 mi.: Samuel Beakin, Beacon, $71,930; Coe & Blanchard, Suffern, $72,980; John J. Guinan Contracting Co., New York, $74,171. Road No. 325, Center Rd.-Fayette Rd., Part 2, Seneca County, 2.75 mi.: Thomas F. Murray, Le Roy, $37,709. Road No. 1453, Vischers Ferry-Niskayuna Rd., Schenectady County, 1.95 mi.: J. J. Malloy, Schenectady, $19,330. Road No. 1399, Waterloo Village, Fayette St., Seneca County, 0.24 mi.: McMahon & Farrington, Waterloo, $3,162. Road No. 1078 Waverly-Lockwood Rd., Tioga County, 6 mi.: Lane Construction Corporation, Meriden, Conn., $68,043; Peter F. Connolly & Co., Horseheads, $69,739; Dana W. Robbins, Inc., N. Y. City, $69,410. Road No. 1433, Cortland-Groton Rd., Parts 3 and 4, Tompkins County, 5.86 mi.: Dana W. Robbins, New York, $86,956; T. H. Gill Co., Binghamton, $88,390; Bradley & McGreevey, Elmira, $87,871. Road No. 1417, Wallkill-Newburg Rd., Part 1, Ulster County, 3.12 mi.: John A. Jova, Inc., Newburgh, $35,867; Harper & Higginson, Inc., Newburgh, $36,776. Road No. 1436, Greenwich Village, Elm Ave., Main, Bridge and Eddy St., Washington County, 1.43 mi.: Keeseville Road Co., Inc., Keeseville, $62,961; John B. Dower, Ballston Spa, $63,659; Gifford Construction Co., Jamaica, $67,087. Noted Aug. 3.

N. Y., **Buffalo**—City let contract paving Halbert St. to GERMAN ROCK ASPHALT CO. About $18,346.

N. Y., **Fulton**—City let contract road on South 1st St. to PATHFINDER CONSTRUCTION CO., Fulton. About $17,600.

N. Y., **New York**—(Richmond)—(Official)—Borough let contract paving portion Decker Ave. to J. JOHNSON SONS, 455 Broadway, West New Brighton, $5,551. Noted Aug. 10.

N. Y., **Syracuse**—Bd. Contract and Supply let contract paving portion Robinson St. to J. B. BAKER, University Bldg. About $7,230. Noted June 22.

N. J., **Bound Brook**—(Official)—County received low bids for paving 8,000 sq.yd., brick, as follows: Ontonio Celentano, Trenton, $21,096; Hickey & Houghton, Inc., Somerville, $24,240; Louis J. Sieling, 171 Madison Ave., New York, N. Y., $26,800. Noted July 27.

N. J., **Elizabeth**—Bd. Pub. Wks. rejected bids for repaving Elizabeth Ave.

N. J., **Lodi**—City let contract improving streets to GARRITSON CONSTRUCTION CO., Lodi.

N. J., **Newark**—Bd. Freeholders, Essex County, soon to let contract for improving portion Belleville Turnpike. Address County Clk., Newark. Noted Aug. 3.

N. J., **Passaic**—City let contract macadamizing East Pierrepont Ave. and The Terrace to JANNARONE CONSTRUCTION CO. About $6,805.

Penn., **Boyertown**—City let contract paving and guttering various streets to J. B. TREXLER, 125 West Windsor St., Reading. About $25,000. Noted May 11.

Penn., **Erie**—City let contract paving Poplar St., asphalt, to JOHN McCORMICK & SON, Erie. About $1.80 per sq.ft.

Penn., **Norristown**—City let contract road repairs to AMBLER, DAVIES CO., Harrison Bldg., Philadelphia. About $9,500.

Streets and Roads (Continued)

Penn., Philadelphia—Bd. Pub. Wks. let contract to repave portion 7th St. to PHILADELPHIA CO., 1345 Arch St. About $23,000.

Penn., Philadelphia—City let contract paving portion Lycoming St. to MACK CONSTRUCTION CO., 20th and Sedgley Ave. About $15,200.

Penn., Philadelphia—City let contract repaving portion Orianna St. to PHILADELPHIA PAVING CO., 1345 Arch St. About $11,000.

Penn., Pittsburgh—City let contract improving streets to MATTHEW OTT & CO., 414 Warrington Ave. About $7,000.

Penn., Verona—City let contract sidewalks on Parker, Grand and Jones St. to ROSS & WATSON, Oakmont.

Penn., Washington—City let contract resurfacing Zollarsville Rd. to WILLIAM PICKETT & CO.

Md., Rockville—City let contract road to BROWN & CO., Gaskins, Washington, D. C. About $25,000.

Va., Gate City—County Comrs. let contract road between Gate City and Speers Ferry to CUMBERLAND CONSTRUCTION CO., Big Stone Gap, about $22,117; road between Cuma post office and Kermit to ALBERT BROS., Shawsville, about $10,209.

Ala., Ashville—City let contract 4-mi. road between Ashville and St. Clair Springs to PERRY WADE. About $7,000.

Ala., Evergreen—County let contract improving portion Evergreen-Castleberry Rd. to W. F. ALLEN, Montgomery. About $4,566. Noted July 13.

La., Amite City—City let contract main road north and south to W. H. MILLER, Baton Rouge; and 2 cross-roads to F. A. ALBEE, Natalbany, about $31,000.

Ky., Lexington—City rejected bids for improving Lexington Pike.

Ky., Williamstown—City let contract paving Main St. with asphalt to S. M. BILLITER. About $5,000. Noted May 18.

Ohio, Akron—C. F. Beck, Dir. Pub. Ser., let contract improving streets to CHARLES H. WATTERS. About $12,000.

Ohio, Ashtabula—City let contract for road between Ashtabula and Geneva to HART & KEMP, Elyria. About $143,710.

Ohio, Bellevue—A. B. Heal, Dir. Pub. Ser., let contract improving Kinney St. to CHRIST STOLTZ. Noted May 4.

Ohio, Berea—City let contract paving Center St. to WILLIAM DENNER, Berea.

Ohio, Celina—Mercer County let contract improving Rockford Rd. to WILLIAM BARTLING, Rockford.

Ohio, Findlay—County let contract paving Kear Rd. to D. B. KROUT & GILMER, Mt. Blanchard. About $10,000.

Ohio, Findlay—City let contract paving Baldwin Ave., brick, to H. HALL. About $6,600.

Ohio, Findlay—City let contract paving Beach Ave. to W. H. KING & SON, Chillicothe. Noted July 20.

Ohio, Findlay—City received low bid for paving East Sandusky St., from Johnson Construction Co., Chicago. About $14,646. U. K. Stringfellow, City Engr. Noted May 25.

Ohio, Findlay—City let contract paving number streets, asphalt, to JOHNSON CONSTRUCTION CO., at $1.60 per cu.yd.

Ohio, Lisbon—County let contract 6 mi. road, including culverts and bridges to SEIPLE & WOLFE. About $67,000.

Ohio, Marion—City let contract paving and grading Sargent and Pleasant St. to P. DRAKE.

Ohio, Medina—City let contract paving portion Smith Rd. to H. J. NEIPFOOT, Elyria. About $28,114.

Ohio, Newark—Bd. Control let contract paving and curbing 9th and Wyoming St. to FEDERAL ASPHALT CO., Hamilton.

Ohio, New Lexington—(Official)—City let contract improving portion Madison St. to BARTHLOW & SON, Logan. About $12,435. Noted July 6.

Ohio, Oberlin—City let contract Kipton Rd. to ELYRIA CONSTRUCTION CO., Elyria. About $25,000.

Ohio, Springfield—City let contract paving portion Fountain Ave. to M. J. HANNON. About $24,597.

Ohio, Tiffin—City rejected bids for improving portion Washington St. L. O. Runkle, City Engr. Noted Aug. 3.

Ohio, Waynesfield—City let contract paving Westminister St. to E. C. LEWIS & CO., Lima. About $22,250. Noted June 22.

Ohio, Youngstown—City let contract paving Calvin St. to WILSON, TIBERION & ROBINSON. About $5,000.

Ohio, Youngstown—City let contract grading portion Wirt St. to JAMES COMISKY, 370 Cluster Ave.

Ind., Bloomington—City let contract paving East College St. to JOSEPH CAMPBELL.

Ind., Greenfield—County let contracts roads to GEORGE HOPPES, Vandenbark and Steel Rd., about $8,591, and Loudenback Rd., about $6,998; T. H. NEW, Jackson Rd., about $7,945.

Ind., Greenfield—City let contract roads in Jackson Township to GEORGE HOPPES. About $15,588.

Ind., Indianapolis—City let contract for roads as follows: Peake Rd. to ERNEST BEROS & CO., about $23,330; Tilly Rd. to EWING SHIELDS, Greencastle, about $31,604; Snyder Rd., ALLEN HURST & SWEET, Greencastle, about $10,409.

Ind., Indianapolis—City received bids for paving Washington Blvd. from Republican Construction Co., $4.17 lin.ft. asphalt, $3.97 lin.ft. bituminous concrete; American Construction Co., $4.50 lin.ft. asphalt, $4.20 lin.ft. bituminous concrete.

Ind., North Manchester—City let contract paving streets with asphaltic concrete to NORTHERN INDIANA CONSTRUCTION CO. About $28,000. J. W. Haverly, City Engr.

Ind., Union City—City let contract paving East Walnut St. to J. L. TEEGARDEN, Union City.

Ind., Winchester—County Comrs. let road contracts as follows: Bascom brick and gravel road, Washington Township, to JOHNSON & DULL, $21,890; Lepp Rd., Greensford Township, to WILLIAM CHAMNESS, $4,250; Shade Rd., Greensfork Township, to HANG ILIFF, $4,025; Bennett Rd., West River Township, to THORNBURG, PETRO & ROSS, $5,110; Keever Rd., Monroe Township, to D. W. GROVE, $6,985; Dull Rd., Franklin Township, to A. HESTON, $8,791; Williams Rd., Franklin Township, to A. JOHNSON, $14,317.

Mich., Battle Creek—Rd. Comrs. let contract improving roads to CARPENTER CONSTRUCTION CO., Columbus, Ohio. About $9,601.

Mich., Lake Odessa—City let contract paving Main St. to A. H. PRANGE, Grand Rapids. About $15,000.

Mich., Monroe—County let contract improving Dixie Highway to CENTRAL STATES CONSTRUCTION CO., Columbus, Ohio. About $199,000.

Mich., Pontiac—City let contract paving Dawson's Alley to HARRY VANDERVEEN, Grand Rapids.

Mich., Pontiac—County let contract improving Woodward Rd. to R. D. BAKER, 1454 Penobscot Bldg., Detroit.

Ill., Berwyn—City let contract paving portion Wesley Ave. to R. F. CONWAY CO., 133 West Washington St., Chicago.

Ill., Edwardsville—City let contract paving Springfield Rd. to ALBERT FAHRIG, Park and Fillmore St. About $33,000.

Ill., Hoopeston—City let contract paving East Maple St. to H. C. FINDLEY, Hoopeston. Noted May 25.

Ill., Lake Forest—City let contract paving portion Westeman Ave. to J. McGARRY & CO., 189 West Madison St., Chicago.

Ill., Marion—Bd. Local Improvts. let contract paving Dist. No. 10 to MEYER & THOMAS CONSTRUCTION CO., East St. Louis. About $46,715.

Ill., Murphysboro—City let contract paving Dist. No. 10 to MYER & THEMAS. About $46,715.

Ill., Oak Park—City let contract paving Scoville Ave. to COMMONWEALTH IMPROVEMENT CO., 179 West Washington St., Chicago. About $19,405.

Ill., Ottawa—County let contract State Aid Rd. to R. E. BALL & CO., Ottawa. About $9,272.

Ill., Peoria—County let contract macadamizing Farmington Rd. to BANNEWOLT CONSTRUCTION CO.

Wis., Appleton—Bd. Pub. Wks. let contract paving Alton St. to A. C. SIMPSON. About 39½c. per sq.yd.

Wis., Monroe—City received low bid from T. W. Quinn, Madison, for 4,583 sq.yd. paving. About $4,583.

Wis., Neenah—City let contract concrete highway to LARSEN CONSTRUCTION CO. About $6,600.

Wis., New Glarus—City let contract paving village and county road to M. & O. CONSTRUCTION CO., Madison. About $8,350 and $6,960.

Wis., Prairie Du Sac—City let contract paving 5,000 sq.yd. vitrified brick to SWEENEY BROS., Reedsburg. About $1.56 sq.yd.

Iowa, Des Moines—State let contract paving capital grounds to F. F. BALZER, Des Moines. About $10,000.

Iowa, Dubuque—City let contract paving Wall, Lexington St. and Wisconsin Ave. to JAMES LEE CONTRACTING CO., Dubuque. About $16,471.

Iowa, Sioux City—County let contract 20,000 cu.yd. earthwork on county road to R. L. WARD, Correctionville. About 21c. cu.yd.

Minn., Grand Rapids—City let contract paving portion Lehand Ave. to J. S. LOFBERG & SON. About $4,609.

Kan., Galena—City let contract 16 blocks alley paving with concrete to JONES & ANDERSON, 1015 West 7th St., Joplin, Mo. About $1.21½ per yd.

Neb., Shubert—City let contract paving to WATTS & AMMERMAN, Concordia, Kan. About $1.43 per sq.yd.

Mont., Billings—(Official)—City let contract 25,000 sq.yd. paving to WARREN CONSTRUCTION CO., Portland, Ore. Noted July 6.

Mo., Independence—City let contract grading and macadamizing Frick Rd. to KANSAS CRUSHER CO., 501 East Armour Blvd., Kansas City. About $9,757.

Mo., Joplin—City let contract paving Wall St., rock asphalt, to SHELBY DOWNARD. About $12,660.

Mo., Kansas City—Bd. Pub. Wks. let contract for street improvements as follows: Portion Jackson Ave. to CHARLES GIDINSKY, 3419 Kenwood, about $6,434; South Roanoke Blvd. to J. P. McCORMICK, 2308 Penn St., about $21,063.

Mo., St. Joseph—Buchanan County let contract grading 14 mi. road to M. COSTELLO, 1500 South 22nd St. About $22,845. Noted July 22.

Tex., Dallas—City Comn. let contract paving portion Worth St. and Lindell Ave. to VIBROLITHIC CO.

Tex., Ft. Worth—City let contract paving portion Grainger St. to GENERAL CONSTRUCTION CO., also plan paving portion of Travis Ave. M. P. Harwood, City Clk.

Tex., Houston—City let contract resurfacing Houston Ave. to FINLEY METHOD CO. About $6,922.

Utah, Salt Lake City—(Official)—City let contract paving 21st South St. concrete, to J. W. MELLEN, Richards St., Salt Lake City. About $30,336; and Herbert and Michigan Ave., bitulithic, to P. J. MORAN, Salt Lake City. About $15,938. Noted July 20.

Wash., Prosser—County let contract for rein.-con. pavement to O. M. PATTON.

Wash., Ritzville—City let contract paving Railroad Ave., including 1,700 ft. concrete curb, 600 yd. concrete walk and 12-in. sewer to W. J. SMITH, Ritzville. About $7,046.

Calif., Berkeley—City let contract improving Tamalpais, Shasta and Tallac St. to JOHNSON, SHEA & CO. About $2.50 per ft.

Calif., Martinez—City let contract improving Main St. to M. SULLIVAN.

Calif., Oakland—City let contract improving Thompson St. to HUTCHINSON CO., 13th and Franklin St.

Calif., Oakland—City let contract improving Laurel Ave. to RANSOME-CRUMMEY CO., First National Bank Bldg., Oakland. Noted May 11.

Calif., San Francisco—City let contract improving Railroad Ave. to EATON & SMITH. About $34,000.

INDUSTRIAL WORKS

Proposed Work

Mass., Fall River—Fall River Iron Works Co., Ferry St., plans 6-story warehouse.

Mass., Gloucester—Ipswich Mills, Ipswich, plans factory at Gloucester.

Mass., Somerville—Industrial School for Boys, Tufts St., making plans for 1-story machine shop. About $10,000. W. T. Littlefield, 9 Hamilton Pl., Boston, Arch.

Conn., Bridgeport—Birdsey-Somers Co. plans factory and storehouse on Hewitt St.

Conn., New Haven—Forsyth Dyeing Co., West Fitch St., plans 2-story, 80x160-ft. brick addition.

Conn., Norwalk—M. N. Mayehoff & Co., Merwin St., making plans for 3-story addition. Owens & Sisco, Continental Bldg., Baltimore, Md., Arch. Noted June 22.

Conn., Stratford—Rhode Island Worsted Co. making plans for 1-story factory. About $200,000. C. A. Tinker and R. H. Butler, 318 Main St., Springfield, Mass., Arch.

N. Y., New York—(Bronx)—J. Gerosa plans 5-story factory at 3rd Ave. and 134th St. About $80,000. A. E. Davis, Arch.

N. Y., New York—(Brooklyn)—Louis Allen Abramson, Arch., 220 5th Ave., Manhattan, making plans for 5-story, 80x100-ft. addition to factory. About $20,000.

N. Y., New York—(Manhattan)—J. W. Ahearn made plans for two 16-story factories at 257 West 43d St. and 332 4th Ave. About $800,000. R. E. Moss, 126 Liberty St., Arch.

N. Y., New York—(Queens)—Fox Film Co., 126 West 46th St., Manhattan, made plans for factory on Astoria Ave., Corona, L. I. About $70,000.

N. Y., New York—(Queens)—Heinrich Franck Sons, Inc., Flushing, plans factory. About $500,000.

N. Y., New York—(Queens)—N. Nehrbauer, Jr., 580 9th Ave., plans 75x100-ft. factory and loft building. F. Braun, 585 9th Ave., Arch.

N. Y., New York—(Queens)—New York-Queens Electric Lighting and Power Co. made plans for garage and stock house on Flushing Ave., Long Island City. About $25,000.

N. Y., Peekskill—Southard-Robertson Co. making plans for 2-story, 100x115-ft. factory. About $40,000. B. S. King & Sons, Inc., 103 Park Ave., New York, Arch.

N. Y., Yonkers—Scott Elevator Co. plans factory on Saw Mill River Rd. About $250,000. D. M. Hopping, 26 South Broadway, Interested.

N. J., Camden—Joseph Campbell Co. making plans for 1-story, 92x246-ft. rein.-con. addition to factory. Ballinger & Perrot, 17th and Arch St., Philadelphia, Arch.

Industrial Works (Continued)

N. J., Jersey City—International Elevator Co., 15th St., Hoboken, plans plant at Jersey City.

N. J., Newark—Morisrite Co. made plans for factory on Bloomfield St. About $20,000.

N. J., Newark—William Yeskel plans 2-story brick garage and storage building at 135 Lillie St., about $50,000. M. J. Nadel, Arch.

N. J., Paterson—Peerless Plush Co. making plans for 2-story, 50x100-ft. factory. W. Kidd, Jr., 95 Liberty St., New York, Arch.

Penn., Chester—Consumers' Ice and Coal Co. plans storage building of 10,000 tons capacity.

Penn., Erie—American Brakeshoe Co. plans plant. About $150,000.

Penn., Manheim—United States Asbestos Co. making plans for 100x200-ft. warehouse. C. I. Hill, Fehl Bldg., Lancaster, interested.

Penn., Oil City—American Steel Foundries Co. plans 1-story, 85x100-ft. addition.

Penn., Philadelphia—Albra Clem Elevator Co. plans addition. J. F. Mechling, 7th St. and Glenwood Ave., Pres.

Penn., Pittsburgh—T. and W. Glue plans warehouse and auto storage building at Ravenna St. and Yale Pl. About $100,000.

Penn., Pittsburgh—R. M. Walker Co. plans factory on Kelly St.

Penn., Red Lion—C. S. La Motte making plans for 3-story, 40x90-ft. brick factory.

Penn., Womelsdorf—Reading Underwear Co., Reading, plans 2-story, 45x150-ft. factory at Womelsdorf.

Md., Baltimore—Swindell Bros., Bayard and Russell St., plans 3-story factory. J. Freund, 11 East Lexington St., Arch.

Va., Danville—N. Kalk making plans for 1-story, 50x152-ft. abattoir. About $15,000.

Va., Winchester—C. L. Robinson Ice and Cold Storage Co. plans 6-story addition to warehouse.

W. Va., Huntington—Fire Proof Garage Co. plans 2-story, 60x200-ft. rein.-con. garage.

W. Va., Huntington—Ohio Valley Alkali Co. of Cincinnati plans plant.

W. Va., Moundsville—Fostoria Glass Co. making plans for 4-story addition.

N. C., Asheville—Pepsi-Cola Bottling Co. plans plant. About $12,000.

N. C., Bynum—J. M. Odell Manufacturing Co. plans to rebuild cotton yard mills.

S. C., Ft. Mill—Ft. Mills Manufacturing Co. plans addition. About $250,000.

Ga., Waycross—C. L. Brooks Engineering Co., Moultrie, Ga., interested in organization of company to build packing plant at Waycross. About $40,000.

Fla., Jacksonville—Mitchell Estate plans garage at Julia and Adams St. About $25,000. C. D. Rinehart, Executor.

Fla., Jacksonville—Southern Cattle Co. plans abattoir. About $50,000.

Fla., Miami—Tropical Fruit Conserving Co. plans 125x160-ft. plant. J. Petersen, interested.

Ala., Huntsville—Abingdon Cotton Mills making plans for addition. About $50,000.

La., Lake Charles—Houston Packing Co., Houston, Tex., plans warehouse at Lake Charles. About $10,000.

La., Lake Charles—McNary Lumber Co. plans to rebuild mill. About $300,000.

La., McNary—McNary Lumber Co. plans plant. About $200,000.

Tenn., Johnson City—Leon-Ferrenbach Silk Co., Wilkes-Barre, Penn., plans at Johnson City. About $25,000.

Ky., Lexington—Lexington Bonded Storage and Warehouse Co. plans 2 warehouses.

Ky., Louisville—W. A. Thomson made plans for 2-story garage. About $50,000. J. J. Gaffney, 437 South 2d St., Arch.

Ohio, Akron—Babcock & Wilcox Co. plans 2 factories.

Ohio, Akron—Bridgewater Machine Co. plans factory, about $20,000.

Ohio, Ashtabula—Ashtabula Hide and Leather Co. plans 3-story, 60x75-ft. addition.

Ohio, Bucyrus—Ohio Stock Yards Co. plan stock yards.

Ohio, Cincinnati—Carlton Machine Tool Co. plans plant on Hopper St.

Ohio, Cincinnati—E. M. Kalim granted permit for factory at 1040 Gilbert Ave. About $11,000.

Ohio, Cincinnati—L. Plogsted, Jr., 2909 Colerain Ave., plans 2-story, 24x60-ft. addition to auto repair shop. About $12,000.

Ohio, Cincinnati—Union Distilling Co. making plans for plant. E. Baldwin, 607 Walnut St., Arch.

Ohio, Cleveland—American Mirror and Glass Co., 2403 Superior Ave., plans 4-story warehouse. About $24,000.

Ohio, Cleveland—Cleveland Cadillac Co., Euclid Ave. and East 20th St., plans 3-story automobile building at East 30th and Chester St. About $225,000.

Ohio, Cleveland—Ford Motor Co., 11610 Euclid Ave., made plans for 2-story, 100x173-ft. brick and concrete sales and service station at 6500 Detroit Ave. About $110,000. Noted June 1.

Ohio, Cleveland—A. S. Gilman Printing Co. made plans for 3-story rein.-con. plant at 3d St. and Lakeside Ave. About $200,000. Forest City Engineering Co., Hippodrome Bldg., Arch.

Ohio, Cleveland—Lincoln Fireproof Storage Co. plans 6-story warehouse on Detroit Ave., N. W. About $85,000.

Ohio, Cleveland—Lino Paint Co., 16908 Waterloo Rd., plans addition. J. D. Climo, Pres.

Ohio, Cleveland—Maxwell Sales Corporation plans garage and service station at 1711 East 27th St.

Ohio, Cleveland—C. C. Parsons & Co., 8006 Carnegie Ave., plans 2-story service station. About $50,000.

Ohio, Cleveland—Singer Sewing Machine Co., Lennox Bldg., plans plant.

Ohio, Cleveland—Westinghouse Electric and Manufacturing Co. plans storage house on West 58th St. About $10,000.

Ohio, Dayton—Mead Pulp and Paper Co. making plans for addition. About $38,000. F. H. Smith, Consult. Engr.

Ohio, East Liverpool—Golding Sons Co. made plans for 84x240-ft. factory. W. C. Owen & Co., Leader Bldg., Cleveland, Arch. J. M. Manor, Mgr.

Ohio, Eaton—J. E. Parker Co. plans warehouse and cold-storage plant.

Ohio, Junction City—Great Western Sewer Pipe Co. plans plant. About $150,000.

Ohio, Marion—Power Manufacturing Co. plans plant at Marion.

Ohio, Martins Ferry—City plans ice plant. T. McPherson, City Clk.

Ohio, New Boston—(Portsmouth post office)—Whitaker Glessener Co., Wheeling, W. Va., making plans for blast furnace at New Boston. About $1,000,000. J. Kennedy, Bessemer Bldg., Pittsburgh, Penn., Engr.

Ohio, Springfield—William Bayley Co. plans addition on North West St.

Ohio, Youngstown—Brier Hill Steel Co. plans two 100-ton openhearth furnaces. About $700,000.

Ohio, Youngstown—Distilled Water Ice Co. plans expenditure of $300,000 for 2 additional plants.

Ind., Bluffton—Great Northern Glove Co. plans 2-story factory at Market and Scott St.

Ind., Connersville—Lexington-Howard Motor Co. plans 1-story, 125x200-ft. addition.

Ind., Evansville—Triangle Overall Co., 18 Vine St., made plans for addition. About $12,000. H. E. Boyle & Co., Arch. Noted July 6.

Ind., Ft. Wayne—Purity Products Co. plans plant.

Ind., Indianapolis—F. Schmidt, 3106 Capitol Ave., made plans for garage. About $40,000. F. B. Hunter, State Life Bldg., Arch.

Ind., Lebanon—P. Shahan & Son plan grain elevator.

Mich., Detroit—W. Fiedler & Sons granted permit for 2-story factory on St. Aubin St. About $10,000.

Mich., Grand Haven—Alter Motor Car Co., Plymouth, plans 60x400-ft. factory at Grand Haven.

Mich., Port Huron—Grand Trunk Ry. approved $750,000 bond issue for car repair shops. H. R. Safford, Montreal, Que., Ch. Engr. Noted Oct. 28.

Mich., Sanford—Meridian Line Chemical Co. retained Howard M. Du Bois, Consult. Engr. make plans for building. About $200,000.

Ill., Chicago—Berkson Bros., 1446 Blue Island Ave., making plans for 2-story, 35x50-ft. warehouse. About $10,000. A. Epstein, 1118 West 35th St., Arch.

Ill., Chicago—Pyle National Electric Headlight Co., 900 South Michigan St., plans plant. About $250,000.

Ill., Chicago—Scotten & Snydacker plans warehouse on Canal St.

Ill., Quincy—American Strawboard Co. plans additions, about $350,000.

Wis., Eau Claire—Eau Claire Creamery Co. making plans for 2-story creamery. A. E. Reilly, Frawley Bldg., Arch.

Wis., Grand Rapids—Red Cedar Manufacturing Co. plans 2-story, 40x120-ft. factory on South 9th St., about $10,000.

Wis., Madison—James Evans plans 2-story, 66x198-ft. garage and machine shop at Henry and Dayton St.

Wis., Milwaukee—Wisconsin Telephone Co. making plans for 2-story warehouse. A. C. Eschweiler, Goldsmith Bldg., Arch.

Wis., Sheboygan Falls—Falls Machine Corporation plans addition.

Wis., Stevens Point—Eureka Grave Marker Association plans 2-story, 57x75-ft. plant. About $15,000.

Iowa, Des Moines—Ford Motor Co., Detroit, making plans for 6-story, 200x466-ft. assembling plant at 18th St. and Grand Ave.

Minn., Duluth—Bridgeman—Russell Co. plans 7-story factory at 11th Ave., W., and Michigan St.

Minn., St. Paul—Cement Products Exhibition Co., 208 South La Salle St., Chicago, plans factory at St. Paul. About $50,000.

Minn., St. Paul—Northern Pacific Ry. plans expenditure of $2,000,000 for shop extensions at St. Paul. W. L. Darling, St. Paul, Ch. Engr.

Minn., Winona—Chicago & Northwestern Ry. plans enlarging shop yards in West End. About $10,000. W. H. Finlet, Jackson Blvd. and Franklin St., Chicago, Ch. Engr.

Neb., Lodgepole—Farmers Co-Operative Elevator Co. plans elevator, 25,000 bu.

N. D., Fargo—Union Transfer Co. making plans for 3-story warehouse at 11th St. and 2d Ave., N. About $75,000.

Wyo., Eaton—Mutual Creamery, Salt Lake City, Utah, plans creamery at Eaton.

Mont., Billings—Farmers Exchange plans warehouse. About $12,000.

Mont., Butte—N. O. Nelson Manufacturing Co., 10th and Chestnut St., St. Louis, made plans for warehouse between Utah and Arizona St. About $10,000. J. Wellington Smith, Arch. Noted Aug. 10.

Mo., Joplin—General Explosives Co. plans factory at Joplin. About $50,000.

Mo., Moberly—Moberly Artificial Ice Co. plans warehouse.

Mo., St. Louis—Emerson Electric Manufacturing Co. making plans, for 7-story building. About $300,000. T. S. Taylor, Arch.

Mo., St. Louis—Sylvester Realty Co. plans 2-story factory at 17 Russell Ave. to be leased by Claes-Lehubeuter Manufacturing Co. About $20,000.

Ark., Gurdon—Gurdon Electric Co. plans ice plant.

Ark., Lewisville—Hanson Lumber Co. plans factory.

Okla., Enid—Swift & Co., Union Stock Yards, Chicago, plans addition to packing plant at Enid.

Okla., Okmulgee—Lindsey Ice Cream Co. plans refrigerating plant.

Idaho, Cottonwood—Cottonwood Milling Co. plans mill. About $25,000. J. F. Jenny, Pres.

Idaho, Sandpoint—Western Cedar Pole Preserves Co., Spokane, Wash., plans creosoting plant at Sandpoint. About $25,000.

Utah, Laketown—Mutual Creamery, Salt Lake City, plans creamery at Laketown.

Utah, Randolph—Mutual Creamery, Salt Lake City, plans creamery at Randolph.

Ariz., Canoa—(Tubac post office)—Agricultural Products Co., subsidiary of International Rubber Co., plans plant. About $1,000,000.

Calif., Alameda—Union Iron Works, San Francisco, granted permit for plant at Alameda. About $75,000. Noted Feb. 10.

Calif., Buttonwillow—F. W. Cowden and O. V. Crisp, Oxnard, plan beet sugar factory at Buttonwillow.

N. S., Sydney—Atlantic Milling Co. plans flour mill. About $60,000. J. W. Smith, Mgr.

Ont., Teeswater—Toronto Plaster Co. made plans for factory. About $50,000.

Man., Winnipeg—D. Balcovske making plans for abattoir. About $65,000. A. J. Wills, 204 Sterling Bank Bldg., Arch.

Bids In and Contracts Awarded

Mass., Boston—(Allston)—Packard Motor Car Co., 1089 Commonwealth Ave., let contract garage to STONE & WEBSTER ENGINEERING CORPORATION, 147 Milk St., Boston. About $150,000.

Mass., Brockton—Brockton Cold Storage and Warehouse Co. let contract cold-storage plant to G. HOWARD & SONS CO., 633 Warren Ave.

Mass., Cambridge—E. Flentje, 1643 Cambridge St., let contract 2-story, 52x60-ft. factory to WILSON & TOMLINSON, 220 Devon St., Boston.

Mass., Danvers—City let contract storehouse and service building to C. S. CUNNINGHAM & SONS CO., 101 Tremont St., Boston, $30,133. Noted Aug. 10.

Mass., Fall River—American Thread Co., Martine and Kerr St., let contract 2-story, 116x200-ft. addition to McNALLY CONSTRUCTION CO., 84 North Main St. About $60,000.

Mass., Fall River—U. S Bobbins and Shuttle Co. let contract 3-story addition to PULESTON & McDOUGALL, Bay St., Fall River. About $60,000.

Mass., New Bedford—Rotch Mills let contract two 1-story, 80x175-ft. and 30x75-ft. additions to F. HILL SMITH, Detroit, Mich. Noted Aug. 10.

Mass., New Bedford—Sharp Manufacturing Co. let contract 2-story, 137x307-ft. mill to J. J. PRINDIVILLE CO., South Framingham. About $350,000.

Mass., Pittsfield—Kenney Manufacturing Co. let contract 2-story factory to BECKWITH & PIKE. About $80,000. Noted June 15.

Mass., Quincy—Tubular Rivet and Stud Co., 87 Lincoln St., Boston, let contract 50x100-ft. addition to C. E. CURRIER CO., 110 Summer St., Boston.

Mass., Worcester—Linehan—Conover Co. let contract 6-story addition to L. ROCHEFORD & SON, Worcester.

Mass., Worcester—United Wholesale Grocery Co. let contract 4-story warehouse on Grafton St. to NORE & YUTAN CO., Worcester, about $30,000. Noted May 4.

Mass., Worcester—Worcester Cold Storage and Warehouse Co. let contract 4-story, 60x77-ft. addition to E. J. CROSS, Worcester. Noted Aug. 3.

Industrial Works (Continued)

R. I., East Providence—Mexican Petroleum Corporation let contract oil distributing plant to J. McCORMICK, 315 Taunton Ave. About $100,000.

Conn., Bristol—New Departure Manufacturing Co. let contract 2-story, 75x222-ft. factory to TURNER CONSTRUCTION CO., 45 Milk St., Boston. Noted Aug. 3.

N. Y., Amsterdam—(Official)—Chalmers Knitting Co. let contract 8-story, 62x350-ft. rein.-con. factory to TURNER CONSTRUCTION CO., 11 Broadway, New York. Noted July 6.

N. Y., Buffalo—Acme Pattern and Machinery Co., Inc., let contract 2-story, 100x176-ft. factory to H. P. KEHR CO., INC., 2432 Fillmore Ave. About $50,000. Noted Aug. 3.

N. Y., Clifton—Louis De Jonge Co. let contract 7-story rein.-con. factory to AMERICAN CONCRETE STEEL CO., Newark, N. J. About $500,000. Noted June 29.

N. Y., New York—(Brooklyn)—Adriance Machine Works let contract 10-story, 150x180-ft. factory to J. W. FERGUSON CO., United Bank Bldg., Paterson, N. J. About $200,000.

N. Y., New York—(Brooklyn)—(Official)—Valentine & Co. let contract 6-story, 60x90-ft. factory at Manhattan and Skillman Ave. to TURNER CONSTRUCTION CO., 11 Broadway, Manhattan.

N. Y., New York—(Manhattan)—Daggett & Ramsdell let contract 8-story, 50x131-ft. factory to TURNER CONSTRUCTION CO., 11 Broadway.

N. Y., New York—(Manhattan)—Kennedy Estate let contract 6-story warehouse and store building to TURNER CONSTRUCTION CO., 11 Broadway. About $60,000. Noted Mar. 30.

N. Y., New York—(Manhattan)—Dept. Pub. Charities received lowest bid for 9-story storage building on Blackwells Island from Snare & Triest Co., Woolworth Bldg. About $400,000. Noted July 13.

N. Y., New York—(Richmond)—Louis De Jonge & Co., 446 Richmond Turnpike, Tompkinsville, let contract factory to AMERICAN CONCRETE STEEL CO., Essex Bldg., Newark. About $45,000. Noted Oct. 14.

N. J., Paulsboro—(Official)—Vacuum Oil Co. let contract 2-story, 156x206-ft. factory at Bramell Point to TURNER CONSTRUCTION CO., 11 Broadway, New York.

N. J., Pleasantville—(Official)—W. F. Taubel & Son, Riverside, let contract 50x250-ft. brick hosiery mill to H. B. MILLER, Edgewater Park, $40,000.

N. J., Vineland—D. H. Chandler let contract 3-story, 32x130-ft. factory to G. M. SCHAIBLE.

Penn., Arcadia—International Coupler Co. received low bid for 1-story, 50x175-ft. factory from Faber Engineering and Construction Co., Bessemer Bldg. About $20,000.

Penn., Coatsville—Midvale Steel and Ordnance Co. let contract addition to Worth Bros. plant to W. B. POLLOCK CO., Youngstown.

Penn., Derry—Pennsylvania R.R. let contract engine house to C. PETERSON CO., 303 Keystone Bldg., Pittsburgh. About $50,000.

Penn., Fullerton—McBride Bros. let contract 2-story, 72x178-ft. addition to G. H. HARDNER, Lentz Bldg., Allentown. About $35,000. Noted May 25.

Penn., Harrisburg—Jennings Manufacturing Co. let contract 3-story, 52x125-ft. factory to CRAWFORD & STEPHENSON. About $40,000.

Penn., Millvale—C. E. Murphy & Son, 516 Federal St., N. S., Pittsburgh, low bidder for 2-story, 48x100-ft. laundry for Union Laundry Co. About $10,000. Noted Apr. 13.

Penn., Philadelphia—Atlantic Refining Co. let contract service station to METZGERR & FISHER, Denckle Bldg. About $15,000.

Penn., Philadelphia—Surpass Leather Co. let contract addition to warehouse to G. KESSLER CONSTRUCTION CO., 931 Drexel Bldg. About $14,000. Noted Aug. 3.

Penn., Philadelphia—Thoraton, Fuller Co., 2041 Market St., let contract 1-story storage building to J. DILLON, 602 Cherry St. About $18,000.

Penn., Pittsburgh—(Official)—Crucible Steel Co. of America let contract addition to crescent works to FABER ENGINEERING AND CONSTRUCTION CO., Bessemer Bldg.

Penn., Pittsburgh—Crucible Steel Co. of America let contract warehouse and shop building at Ridge Ave. and Reedsdale St. let to PITTSBURG BRIDGE AND IRON WORKS, Farmers' Bank Bldg. About $20,000. Noted May 18.

Penn., Pittsburgh—S. Solof, 2332 Sidney St., let contract addition to warehouse to C. W. HOUGGY, 6022 Station St. About $12,000. Noted July 27.

Penn., Pittsburgh—(Official)—Standard Sanitary Manufacturing Co. let contract enameling building to FABER ENGINEERING AND CONSTRUCTION CO., Bessemer Bldg., $35,000.

Penn., Reading—Bard Hardware Co., 800 Penn St., let contract 3-story, 60x60-ft. warehouse to H. J. RANDENBUSH, 1324 Perkiomen Ave.

Penn., Reading—A. Wilhelm Co. let contract 1-story, 60x400-ft. addition to C. H. SCHLEGEL, 2224 Perkiomen Ave.

Del., Wilmington—Delmarvin Baking Co., Inc., East 4th St., let contract 3-story, 50x101-ft. bakery to J. STANNARD, 2nd and Brown St. About $25,000. Noted June 22.

Md., Baltimore—H. B. Davis Co. let contract 1-story addition to C. E. STUBBS, 548 Equitable Bldg. About $18,000. Noted June 29.

Md., Baltimore—Baltimore Copper Smelting and Rolling Co., 4th Ave. and 5th St., let contract addition to H. G. KLINK, 420 Sheridan Ave., Whiting, Ind.

D. C., Washington—Mt. Vernon Seminary let contract laundry and garage to BOYLE-ROBERTSON CONSTRUCTION CO., Evans Bldg., Washington.

Va., Roanoke—American Viscose Co. let contract plant to IRWIN & LEIGHTON, 125 North 12th St., Philadelphia. About $500,000.

Ky., Louisville—Liggett & Meyers Tobacco Co., St. Louis, Mo., let contract 3-story warehouse at Louisville to C. A. KOERNER & CO., 511 Walker Bldg., Louisville. About $30,000.

Ohio, Canton—(Official)—Wheeling & Lake Erie R.R. let contract warehouses to TURNER CONSTRUCTION CO., 11 Broadway, New York. W. L. Rohbock, Electric Bldg., Cleveland, Ch. Engr.

Ohio, Cuyahoga Falls—Turner-Vaughn-Taylor Co. let contract factory to SAMUEL AUSTIN & SON CO., 14230 Euclid Ave., Cleveland, about $20,000.

Ohio, Middlebranch—Diamond Portland Cement Co. let contract addition to R. N. BARK, Canton, about $200,000.

Ohio, Tippecanoe City—Strickler Bros. let contract 2-story addition to canning plant to TIMMER BROS., Tippecanoe City.

Ind., Evansville—Hercules Buggy Co. let contract 3-story, 80x120-ft. addition to CADDWELL, MARSHALL CO., 421 Upper 1st St., Evansville.

Ind., Evansville—A. L. Maxwell Co. let contract 3-story garage at 2d and Vine St. to M. J. HOFFMAN CONSTRUCTION CO. About $30,000.

Ind., Ft. Wayne—General Electric Co. let contract 2 buildings to INDIANA ENGINEERING CO. Noted Mar. 9.

Ind., Indianapolis—R. H. Hassler Corporation, 1535 Naomi St., let contract plant to SAMUEL AUSTIN & SON CO., 14230 Euclid Ave., Cleveland, about $45,000. Noted Aug. 3.

Ind., Indianapolis—Wadley Co. let contract 3-story, 100x100-ft. factory to J. A. SCHUMACHER CO., 820 St. Clair St. Noted June 22.

Ind., Union City—Union City Body Works let contract 60x200-ft. factory to CHARLES SANDERS, Portland, Ind.

Mich., Grand Rapids—Brown & Sehler Co. let contract factory to C. HOERTZ & SON. About $40,000. Noted June 8.

Mich., Jackson—Jackson Welding Co. let contract factory to SAMUEL AUSTIN & SON CO., 14230 Euclid Ave., Cleveland, Ohio, about $75,000.

Mich., Kalamazoo—Acme Universal Joint Co. let contract factory to O. FLOYD MILLER. About $15,000. Noted July 20.

Mich., Menominee—Michigan Electrochemical Co. let contract warehouse to J. SALEN. Noted July 13.

Mich., Niles—Towar Cotton Mill, Inc., let contract 1-story, 70x260-ft. mill to BAKER & SNYDER CONSTRUCTION CO.

Mich., Petoskey—Michigan Tanning and Extract Co., Grand Rapids, let contract building to FEATHER & WINGATE.

Ill., Cairo—Illinois Central R.R. let contract 1-story, 42x130-ft. warehouse to MURPHY CONSTRUCTION CO., East St. Louis. About $20,000.

Ill., Chicago—Midland Metal Co. let contract 1-story brick factory on Campbell Ave., S., to WIEBOLDT CONSTRUCTION CO., about $12,000.

Ill., Chicago—Mitchell Auto Service Station, 25 North Michigan Ave., let contract 3-story brick service station on South Wabash Ave. to E. W. SPROUL CO., 1120 West 35th St. About $50,000.

Ill., Chicago—A. G. Spaulding, 28 South Wabash Ave., let contract warehouse to R. F. WILSON & CO., 154 West Randolph St. About $80,000.

Ill., Rock Island—Tri-City Railway Co. let contract for 1- and 2-story, 160x300-ft. rein.-con. shop to CENTRAL ENGINEERING CO., Davenport, Iowa. About $80,000. J. F. Porter, Davenport, Iowa, Pres. Noted Mar. 23.

Ill., Springfield—Illinois Watch Co. let contract addition to W. J. McALPINE, Springfield. About $15,000.

Wis., Milwaukee—General Welding and Manufacturing Co. let contract plant on Oregon St. to WILKE BROS. Noted June 29.

Iowa, Sioux City—Anderson Bros. let contract 80x120-ft. warehouse to J. HORN. About $25,000.

Ill., Chicago—A. G. Spalding & Bros., South La Salle and 54th St., let contract warehouse to R. F. NELSON CO.

Minn., Cokato—Cokato Creamery Association let contract plant to G. SWANSON, Cokato.

Minn., Duluth—Marshall-Wells Co. let contract addition to warehouse to JACOBSON BROS. About $25,000.

Minn., Minneapolis—Trustees Grinnell College let contract cold-storage building to BAILEY-MARSH CO., 725 Metropolitan Life Bldg.

Minn., Minneapolis—Western Crucible Steel Castings Co. let contract 1-story, 90x260-ft. foundry to VICTORSON CONSTRUCTION CO., 218 Tribune Annex.

Minn., St. Paul—Raudenbush & Sons, 65 East 6th St., let contract 1-story addition to P. FRANSEN CO., Endicott Bldg. About $12,000.

Minn., St. Paul—St. Paul Union Stock Yards Co. let contract for improvements to BUTLER BROS., New York Life Bldg. About $300,000. Noted June 22.

Minn., St. Paul—Specialty Manufacturing Co., 1049 Raymond Ave., received lowest bid for 1-story factory from Albinson Construction Co., Plymouth Bldg., Minneapolis. About $20,000. Noted July 20.

Neb., Omaha—H. J. Lee let contract warehouse to SELDEN-BRECK CONSTRUCTION CO. About $200,000.

N. D., Kathryn—Kathryn Farmers Elevator Co. let contract elevator, flour mill and power house to J. B. NELSON CONSTRUCTION CO., Mankato, Minn. About $60,000. Noted June 29.

Mo., Kansas City—F. M. Oglebay, 11th and Central St., let contract 2-story factory at 17th and Oak St. to WARREN S. WEEKS, 305 Reliance Bldg. About $25,000.

Mo., North Kansas City—Wabash Elevator Co. let contract elevator to STEPHENS ENGINEERING CO., 53 West Jackson Blvd., Chicago.

Mo., St. Louis—St. Louis & San Francisco R.R. let contract 1-story roundhouse at 3836 Chouteau Ave. to JAMES STEWART & CO. About $15,000.

Mo., St. Louis—Maloney Electric Co., 1149 South 7th St., let contract 3-story factory to MURCH BROS. CONSTRUCTION CO., Railway Exchange.

Mo., St. Louis—Monsante Chemical Works let contract two 2- and 3-story, 59x141-ft. factories to GILSONITE CONSTRUCTION CO., Wainwright Bldg. About $90,000. Noted Apr. 13.

Mo., St. Louis—St. Louis Felling Machine Co. let contract 2-story factory to J. HILL CONSTRUCTION CO., Syndicate Trust Bldg., St. Louis, $12,800.

Mo., Sugar Creek—Standard Oil Co. will build paraffine plant by day labor. Noted Aug. 10.

Tex., Wichita Falls—McFall Transfer and Storage Co. let contract storage and salesroom building to KEMP, KELL & HUFF. About $25,000.

Utah, Smithfield—Amalgamated Sugar Co. let contract factory to DYER CONSTRUCTION CO., 2031 Euclid Ave., Cleveland. About $500,000.

Wash., Darrington—Galbraith, Bacon & Co., Seattle, let contract plant to BLACK CONSTRUCTION CO., Alaska Bldg., Seattle. About $1,000,000. Noted Aug. 10.

Ore., Enterprise—Elgin Forwarding Co. let contract warehouse to GETTER BROS.

Ore., Parkdale—Apple Growers' Association, Hood River, let contract warehouse to L. C. BALDWIN.

Que., Sherbrooke—Canadian Cotton Mills Co. let contract factory to LOOMIS DAKIN, LTD., 25 Belvidere St. About $90,000.

Ont., Burford—Canadian Milk Products Co., Mail Bldg., Toronto, let contract factory at Burford to SCHULTZ BROS., Brantford. About $100,000. Noted June 15.

Ont., Chatham—American Pad and Textile Co. let contract addition to WELLS & GRAY, Confederation Life Bldg. About $50,000. Noted June 22.

Ont., New Toronto—Goodyear Tire and Rubber Co., 152 Simcoe St., Toronto, let contract factory to DOMINION CONSTRUCTION CO., 14 Wellington St. About $750,000. Noted May 11.

Ont., Toronto—W. Davies Co. let contract refrigerating plant to WITCHALL & SON, 156 St. Helens Ave. About $50,000. Noted July 13.

Ont., Toronto—Harris Abattoir Co., Ltd., Union Stocks Yards, let contract brick and concrete addition to WELLS GRAY, Confederation Life Bldg. About $75,000. Noted July 6.

FEDERAL GOVERNMENT WORK

Proposed Work

Mass., Boston—Air Compressors—Light House Inspector, Boston, receiving bids Aug. 22 for 2 air compressing outfits.

Mass., Boston—Dredging—Navy Dept. making plans.

Va., Norfolk—Building—Bureau Yards and Docks, Navy Dept., Washington, D. C., receiving bids Sept. 2 for structural shop at navy yard, Norfolk.

Fla., Key West—Buildings—Navy Dept. making plans for radio buildings and masts for naval station.

La., Natchitoches—Tank—Treasury Dept., Office of Supvr. Arch., Washington, D. C., receiving bids Sept. 1 for septic tank, etc., at U. S. post office. J. A. Wetmore, Acting Supervy. Arch.

Tex., Galveston—Removing Wreck—Bids received Sept. 6 at U. S. Engineer Office, Galveston, for removing wrecks in Houston Ship Channel and tributaries.

Colo., Denver—Mail-Handling Devices—Treasury Dept., Supervy. Arch. Office, Washington, D. C., receiving bids Oct. 2 for mail-handling devices at United States post office at Denver. J. A. Wetmore, Acting Supvr. Arch. (See adv. Aug. 10 issue.)

Ore., Portland—Rock—U. S. Engineers Office, Portland, receiving bids Aug. 28 for 650,000 tons rock for work on north jetty of Columbia.

Federal Government Work (Continued)

Calif., Mare Island—Miscellaneous Supplies—Bureau of Supplies and Accounts, Washington, D. C., receiving bids Aug. 15.

Panama—Miscellaneous Supplies—Office General Purchasing Officer, Panama Canal, Washington, D. C., receiving bids Aug. 28. Circular No. 1070.

Panama—Miscellaneous Supplies—Office General Purchasing Officer, Panama Canal, Washington, D. C., receiving bids Sept. 1, Circular No. 1072.

Panama—Miscellaneous Supplies—General Purchasing Officer of Panama Canal, Washington, D. C., receiving bids Aug. 24, Circular No. 1069.

Alaska, Unga Island—Wireless Station—Senate, Washington, D. C., appropriated $45,000 for wireless station at Unga Island.

Bids In and Contracts Awarded

N. Y., New York—Mail Handling Apparatus—Contract mechanical mail-handling devices in U. S. post office let to LAMSON CO., Boston, $144,057. Noted May 25.

D. C., Washington—Wall—Bids received Aug. 10 for (a) terrace retaining wall, (b) masonry approaches, (c) work complete, for Lincoln Memorial from Marble Arch Co., Broadway and 216th St., New York, Fox Island granite, (a) $100,000, (b) $186,000, (c) $291,000; pink Milford, Bay State, (a) $121,000, (b) $201,000, (c) $321,000; pink Conway, (a) $109,450, (b) $180,350, (c) $289,800; Stonington, (a) $100,650, (b) 168,200, (c) $278,800; Dix Island, (a) $110,000, (b) $185,000, (c) $295,000; George C. Fuller Co., Munsey Bldg., Washington, Fox Island, (c) $272,500; pink Milford Bay State, (c) $309,500, webb pink Milford, (c) $317,000; P. T. Cox, 154 Nassau St., New York, Fox Island, (a) $115,130, (b) $200,310, (c) $303,397; pink Milford, (a) $126,460, (b) $215,993, (c) $332,983; Den Island, (a) $107,130, (b) $177,710, (c) $276,870; Green's Landing, (a) $117,190, (b) $193,895, (c) $292,070. Noted July 20.

N. C., Burlington—Post Office—Low bids received Aug. 11, (a) limestone, (b) sandstone from McAdams & Mitchell, Burlington, (a) $62,696; King Lumber Co., Charlottesville, Va., (a) $64,927, (b) $66,500; R. V. Richardson, Hampton, Va., (a) $65,670, (b) $68,670. Noted July 18.

Fla., Key West—Fire Protection System—Bids received Aug. 12 for fire protection system for oil storage at Key West Naval Station from F. E. Eisinger, New York, $18,836, $13,888; National Fire Extinguisher Co., Philadelphia, $20,529, $17,516, $15,418; Carroll Electric Co., Washington, $16,800. Noted July 27.

La., New Orleans—Mail Handling Devices—Contract mail handling devices in U. S. post office let to LAMSON CO., Boston, $20,061.

N. M., Carlsbad—Excavation—U. S. Reclamation Service, Carlsbad, receiving bids Aug. 1 from John Mulligan, 2004 Olive St., El Paso, Tex., Schedule No. 1, $31,980, Schedule No. 2, $13,472; H. E. Williams, 2914 Tularosa St., El Paso, Schedule No. 1, 60x100. A. P. Davis, Ch. Engr. Noted July 20.

Wash., North Head—Radio Mast—Navy Dept. let contract 1 wooden radio mast for naval station, North Head, to MARTIN & DUGAN CONSTRUCTION CO., Northern Bank Bldg., Seattle, $7,500. Noted Aug. 3.

Ore., Portland—Post Office—Low bids received Aug. 7, (a) limestone, (b) sandstone from Grant Fee, San Francisco, Calif., (a) $762,000; McLeran & Peterson, San Francisco, (a) $807,742, $800,742, (b) $749,942, $793,742; Norman Ker Co., New York, (a) $789,807, $777,807, $813,307; William Dall Co., Cleveland, (a) $795,000, (b) $795,000. Noted June 15.

Calif., Vallejo—Dredge—Union Iron Works, San Francisco, $45,000 submitted only bid for bucket dredge for Mare Island Navy Yard. Noted July 13.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., Albany—Barge Canal Work—W. W. Wotherspoon, State Supt. Pub. Wks., receiving bids Sept. 6 for Terminal Contract No. 31, dock wall and an approach at Lyons. About $57,925.

N. Y., Albany—Barge Canal Work—W. W. Wotherspoon, State Supt. Pub. Wks., receiving bids Sept. 6 for Contract No. 99, Oswego Canal, Section 1, portions of bridge over Oswego River at Minetto. About $117,170.

Fla., New Smyrna—(Official)—Drainage—Lake Ashby Drainage Dist. receiving bids about Oct. 1 for draining 48,000 acres. About $300,000. Coenracts & Keller, 233 East 2d St., Jacksonville, Consult. Engr., not Clenralts & Keller as stated in Aug. 3 issue.

Tenn., Huntington—Reclamation—Carroll County Drainage District No. 1 made plans for 30 mi. canals to reclaim 20,000 acres. About $150,000. F. R. Moomaw, Huntington, County Surv. Noted May 25.

Ohio, Defiance—Ditch—Surveys being made for Platter Creek Ditch. About $20,000.

Minn., Anoka—Drainage—No bids received July 24 for Judicial Ditch No. 1 in Sherburne and Anoka Counties. Noted Dec. 16.

Minn., Buffalo—Ditches—Wright County receiving bids Sept. 2 for County Ditches Nos. 28 and 31. About $4,227 and $9,604 respectively. J. A. Berg, Buffalo, County Audr.

S. D., Plankinton—Drainage—Aurora County plans drainage ditch in Palatine Township. About $24,000.

S. D., Woonsocket—Ditches—Sanborn County Comrs. plan 3 drainage ditches. About $38,000.

Tex., San Benito—Irrigation—San Benito Irrigation Dist. soon votes on $600,000 bonds to improve system.

Colo., Moffat—Canal—Moffat Irrigation Dist. soon lets contract for Rio Grande Canal, 30 mi.

Utah, Richfield—Drainage—Seiver County Drainage Dist. No. 1 receiving bids Aug. 22 for drainage system. Brown & Kleinschmidt, 306 Dooly Blk., Salt Lake City, Engr.

Calif., Saticoy—Drainage—Saticoy Drainage Dist., estimates cost of drainage works at $32,780.

Bids In and Contracts Awarded

Mass., Gloucester—Dredging—Bids received Aug. 9 for dredging 6,000 cu.yd. in Gloucester Harbor from Bay State Dredging Co., 247 Atlantic Ave., Boston, 45c. per cu.yd., and Boston Dredging Co., 40 Central St., Boston, 47¼c.

N. Y., Albany—Barge Canal Work—State Supt. Pub. Wks. let contract Terminal Contract No. 52, repairing and extending Pier 6, East River, New York, to KAUFMAN & GARCEY, 51 Chambers St., New York, $91,317. Noted Aug. 3.

N. Y., New York—(Manhattan)—Dredging—City rejected bid received July 31 for dredging at foot of East 90th St., Contract 1510. Noted Aug. 10.

Ind., Brazil—Ditches and Levees—Reservoir Improvement Co. let contract canals and dikes to F. M. CRANE & CO., Omaha, Neb., and riprap, concrete work, flood gates and pump house to STEELE & CO. Noted July 20.

Minn., Benson—Ditch—Contract ditch on Ferry and Loughlin farms let to MARSH BROS., Glencoe, $7,000. Noted Dec. 16.

Mo., Cape Girardeau—(Official)—Drainage—Bd. Supervs. Little River Drainage Dist. let contract 16,000 sq.yd. riprap, facing in 3,000 ft. canal slopes to SEITZ & PETERMAN, St. Louis. Noted July 27.

Calif., Riverside—Drainage—Riverside County let contract Drainage District No. 2, 450,000 cu.yd. excavation, to J. E. WINSHIP, $52,700. Noted July 6.

MISCELLANEOUS

Proposed Work

Mass., Revere—Pile Driving—C. G. Richmond, Supt. Pub. Wks., receiving bids Aug. 21 for furnishing, driving and capping 158 piles on Arcadia St.

N. Y., New York—(Manhattan)—Frogs and Switches—Pub. Ser. Com. for First Dist. receiving bids Aug. 30 for supply of special work, Order No. 9, frogs and switches, for use of Rapid Transit R.R., Culver Line. O. S. Straus, Chn.

N. Y., New York—(Queens)—Bathhouse—W. P. Ormand, 909 President St., Brooklyn, made plans, 3-story, 20x160-ft., Rockaway Park, L. I. About $7,500. A. S. Hedman, 371 Fulton St., Brooklyn, Arch.

N. J., Wildwood—Bathhouse—M. J. Gilmore, 3553 North 11th St., Philadelphia, Penn., plans, 2-story, 24x100-ft. About $16,000. M. B. Reeves, Arch.

Md., Baltimore—Market House—City soon receiving bids for addition. About $15,000. F. Thomas, 66 Gunther Bldg., Arch. Noted June 15.

Miss., Gulfport—Seawall—City receiving bids Sept. 5. About $180,000. H. D. Shaw, City Engr. Noted July 27.

La., New Orleans—Harbor Improvements—Louisville Railway and Navigation Co. plans, St. Charles Parish property on Mississippi River. W. H. Coppage, Shreveport, Supt.

Ohio, Cincinnati—Comfort Station—City plans, 4015 Spring Grove Ave. About $10,000. F. Krug, City Engr.

Ohio, Cleveland—Bathhouse—City receiving bids Aug. 25, 50x80-ft. addition, Gordon Park. About $25,000. F. Betz, 420 City Hall, Arch.

Ohio, Cleveland—Comfort Stations—City receiving bids about Sept. 1 for 3 comfort stations at 14th St. and Abbey Ave., 25th St. and Clark Ave. and West 25th St. and Denison Ave. About $6,000 each. E. Shattuck, 219 City Hall, Com. of Purchases and Supplies. Noted Nov. 18.

Ohio, Sandusky—Elimination Grade Crossing—City and railroads plan, Columbus Ave. About $239,441. A. F. Johnson, City Engr.

Ohio, Zanesville—Market House—City votes about Sept. 1 on $60,000 bonds. W. W. Roach, Dir. Pub. Ser. Noted June 22.

Ind., Evansville—Market House and Park Improvements—City appropriated $50,000 for market house and $35,000 for extending and developing Mesker Park. J. D. Saunders, City Engr.

Ill., Chicago—Ice Skating Rink—White City Electric Wonder, care of J. Boifield, Hotel Sherman, making plans. About $125,000. Lebonbaum, Marx & Vigeant, 175 West Jackson Blvd., Arch.

Ill., Peoria—Swimming Pool—Seymour Wellner, Jefferson Hotel, making plans, 25x40-ft. W. W. Day, 527 Main St., Arch.

Wis., Fennimore—Park and Playgrounds—W. Marsden gave $80,000 to village for park and playgrounds to be known at Marsden Park.

Minn., Owatonna—Storage Shed—L. G. Campbell Milling Co. making plans. About $20,000. Toltz Engineering Co., Pioneer Bldg., St. Paul, Engr.

Kan., Independence—Shelter House—A. C. Stich making plans. About $15,000. C. K. Birdsall, 1002 Commerce Bldg., Kansas City, Mo., Arch.

Ark., Newport—Levees—Newport Levee Comrs. made plans for levee system. About $125,000. C. H. Miller, Little Rock, Consult. Engr. Noted Jan. 20.

Tex., Beaumont—Wharf—City votes Sept. 5 on $230,000 bonds for Unit No. 2 of wharf and 1,000 ft. of quay to take care of lumber cargoes.

Colo., Rocky Ford—Stone Crusher—City Council plans to purchase.

Calif., Sacramento—Levee—Plans being made for levee from Southern Pacific tracks southerly to Lower Stockton Rd.

Bids In and Contracts Awarded

Mass., Bridgewater—Engine House—State let contract to G. HOWARD & SONS, 633 Warren Ave., Brockton.

Mass., Worcester—Coal Trestle and Bins—Worcester Fuel Co. let contract to KEAFE BROS., Brockton. About $10,000.

N. Y., New York—(Bronx)—Comfort Station—Low bids received Aug. 10 for comfort station at athletic field in Pelham Bay Park from Penedette, Clark & Nugent, Inc., 423 East 115th St., $7,135; W. Honop, $7,440; Alpha Painting Corporation, $7,692.

N. Y., New York—(Manhattan)—Cables—Low bids received Aug. 5 for underground lead-covered distribution cables from 14th St. to 82d St. from Safety Insulated Wire and Cable Co., $90,469; Okonite Co., $99,948; Standard Underground Cable Co., $123,340. Noted June 22.

N. Y., New York—(Manhattan)—(Official)—Track Installation—Pub. Ser. Com., 120 Broadway, let contract, portion Broadway-Fourth Ave. Rapid Transit R.R. to T. H. REYNOLDS CONTRACTING CO., INC., $288,400. Noted Aug. 3.

N. Y., New York—(Queens)—Bulkhead—City let contract timber jetties and bulkhead on beach at Jacob Titz Park, Rockaway, to D. DONEGAN, 5904 14th Ave., Brooklyn, $29,177.

N. J., Long Branch—Swimming Pool—D. M. Ach, Arch., 1 Madison Ave., New York, let contract to TOMPKINS & MATHER, Red Bank. About $10,000. Noted Aug. 10.

La., New Orleans—Levees—Comrs. Fifth Louisiana Levee Dist. let contracts to R. NICHOLSON, Hicks Slough Levee, East Carroll Parish; DONOVAN & DALEY, Elton or Alright Slough Levee, East Carroll Parish; C. H. HALE, Hollybrook Levee, East Carroll Parish; R. T. CLARKE & CO., Lower Cabin Teele to Sparta Levee, Madison Parish; LINNAN BROS., Reid-Biggs Levee, Madison Parish; F. T. CONSTANT, Cottage Home Levee, Tenas Parish; H. I. VAN FOSSEN, Wornicut Levee, Concordia Parish; W. T. BEAUCHAMP, Ashley Levee, Concordia Parish; bids for repair to Willow Point Loop Levee and Donna Vista Levee, East Carroll Parish, rejected. About $2,500,000. Noted June 15.

La., New Orleans—Levee—Bd. State Engr. let contract Atherton Levee to DAWSON, WHITE & CO., LTD., and HERCULES CO., LTD.

Mich., Escanaba—Bathhouse—Park Comrs. let contract, Ludington Park, to J. S. LINDSAY.

Ill., Chicago—Field House—Lincoln Park Comrs. let contract to G. LYONS, 4537 St. Lawrence Ave. Noted Aug. 10.

N. D., Litchville—Market House—H. Glaser let contract, 1-story, 25x70-ft., to M. N. MEILSON, Valley City, $4,881.

Wash., Tacoma—Dock—Chicago, Milwaukee & St. Paul Ry. let contract substructure for dock to J. A. McEACHERN CO., INC., Bell St. Dock, Seattle. Railway will build superstructure by day labor. C. F. Loweth, Railway Exchange Bldg., Chicago, Ch. Engr.

Calif., San Francisco—Pier—Contract extending Pier No. 43 let to HEALY-TIBBETTS CONSTRUCTION CO., Main and Market St., $10,112.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Vt., Proctor—Office—Vermont Marble Co. plans, 3-story, 60x100-ft. brick, stone and steel. About $60,000.

Mass., Amesbury—High School—City receiving bids Aug. 21, Main St. About $125,000. Prescott & Sodebottom, 12 Pearl St., Boston, Arch. Noted July 27.

Mass., Chicopee—Building—St. Joseph's Temperance Society making plans.

Mass., Holyoke—Hospital—City receiving bids Sept. 1 for isolated hospital on Cherry St. Oscar Beauchimin, 380 High St., Arch. Noted July 6.

Buildings (Continued)

Mass., Somerville—Church—First Universalist Church making plans, 30x120-ft. brick. About $40,000. Cram & Ferguson, 15 Beacon St., Boston, Arch.

Conn., Hartford—Y. M. C. A. making plans for 5-story, 100x180-ft. building. About $300,000. L. E. Jallade, 37 Liberty St., New York, Arch.

N. Y., New York—(Brooklyn)—Club-house—Oriental Hotel making plans, at Manhattan Beach. Joseph P. Day, 31 Nassau St., New York, Arch.

N. Y., New York—(Brooklyn)—Church—Congregation Schaari Torah, Flatbush, made plans 2-story brick, on Bedford Ave. About $50,000. I. J. Feinberg, 423 Pennsylvania Ave., Arch.

N. Y., New York—(Manhattan)—B. Moore Estate made plans 12-story brick, limestone and terra cotta building. About $175,000. Paul C. Hunter, 191 19th Ave., Arch.

N. Y., Patchogue—Club-house—Patchogue Lodge B. P. O. E., making plans 3-story on Main St. and Maple Ave. About $50,000. Tooker & Marsh, 101 Park Ave., New York, Arch.

N. Y., Scarsdale—Club-house—Sunnydale Country Club making plans on Overook Course property. About $50,000. Robert D. Kohn, 56 West 45th St., New York, Arch.

N. J., Atlantic City—Hotel—Traymore Hotel made plans, 20-story, 100x140-ft. addition. About $1,500,000. Price & McLanahan, Bellevue Court Bldg., Philadelphia, Arch. Noted Apr. 6.

N. J., Cape May—High School—Bd. Education making plans, 2-story. About $45,000. S. H. Vaughn, Guarantee Trust Bldg., Atlantic City, Arch.

N. J., Nutley—School—Bd. Education making plans, 2-story on Bloomfield Ave. About $40,000. Conklin & Convery, 655 Broad St., Newark, Arch. Noted May 25.

N. J., Ocean City—Club House—Meadow Brooke Co. making plans, 3-story. About $75,000. A. J. Sauer Co., 908 Chestnut St., Philadelphia, Arch.

N. J., Ocean City—Hotel—Meadow Brooke Co. made plans, 10-story. About $1,500,000. H. L. Stevens Co., 900 South Michigan Ave., Chicago, Arch.

N. J., Paterson—Orphan Asylum—St. Josephs Orphan Asylum making plans, on Main St. About $100,000. William T. Fanning, Colt Bldg., Paterson, Arch.

N. J., Princeton—(Official)—Clubhouse—Tower Club receiving bids, 2-story brick. About $48,000. R. B. Barnes, 15 East 40th St., New York, Arch.

N. J., Scotch Plains—School—Bd. Education Fanwood Township made plans, 2-story addition. About $50,000. W. F. Bower, 44 Harrison St., East Orange, Arch.

N. J., Union Hill—(Weehawken post office)—Hudson Despatch News making plans for 4-story building at Lewis and New York Ave. About $50,000. Joseph D. Lugosch, 21 Bergenline Ave., Union Hill, Arch.

Penn., Chambersburg—Bank—Farmers & Mechanics Trust Co. making plans. D. L. Grove, Treas. About $75,000.

Penn., Coraopolis—High School—Bd. Education making plans. About $100,000. F. McCrooks, Pittsburgh, Arch.

Penn., Hanover—Sheppard & Myers soon receives bids for 4-story, 100x115-ft. motion-picture theater, bank, store and office building. C. N. Anderson, 324 North Charles St., Baltimore, Arch.

Penn., Johnstown—Hospital—Mercy Hospital plans 4-story addition. About $50,000. H. Hornbostel, William St., New York, Arch.

Md., Mt. Washington—Church—Roman Catholic Congregation plans. About $80,000.

D. C., Washington—School—National Cathedral School for Girls made plans, 3-story addition. About $100,000. H. Vaughan, 20 Pemberton Sq., Boston, Arch.

D. C., Washington—Theater—Willard Estate making plans, 1-story, 106x135-ft. About $300,000. Hoffman & Co., Finance Bldg., Philadelphia, Arch.

Va., Roanoke—Hospital—Lewis Gates Hospital making plans, 4-story, 40x60-ft. and 35x40-ft. addition. About $40,000. H. M. Miller, 3 Campbell Ave., Arch.

W. Va., Logan—Hotel and Store—H. Ghiz made plans. About $50,000.

W. Va., Parkersburg—School—City voted $125,000 bonds.

Ga., Atlanta—Massell Realty Co. plans 5-story building. About $60,000.

Ga., Augusta—Temple—Bd. Trustees Masonic Temple making plans. About $50,000. G. L. Preacher, Arch.

Fla., Jacksonville—School—F. A. Hathaway, Supt. Pub. Instr., receiving bids Sept. 2 for $500,000 bonds.

Fla., West Palm Beach—Hotels—East Coast Hotel Co. plans to improve Royal Poinciana and Breakers Hotel. About $100,000.

Ala., Mobile—School—Mobile County voted $150,000 bonds. S. S. Murphy, Mobile, Supt. Education.

Ala., Montgomery—City Hall—City plans. S. E. Washburn, City Engr.

Ala., Tuscumbia—School—City voted $60,000 bonds for improvements.

Ky., Covington—German Mutual Fire Insurance Co. making plans for 3-story building. About $100,000. Samuel Hannaford & Sons, Cincinnati, Arch. Noted May 25.

Ohio, Bay Village—School—City defeated $40,000 bonds. Noted Apr. 20.

Ohio, Cincinnati—Hall—Knights of Pythias plans, 3- or 4-story. About $100,000. W. H. Leuder, Broadway and Pioneer St., in charge.

Ohio, Cleveland—School—Bd. Education receiving bids Sept. 11. Frank G. Hogan, Dir. of Schools.

Ohio, Cleveland Heights—(Warrensville postoffice)—School—City defeated $180,000 bonds. E. Bryant, Clk. Bd. of Education. Noted July 20.

Ohio, Columbus—Coliseum—D. C. Beggs, 21 South High St., made plans. C. L. Incho, 145 North High St., Arch.

Ohio, Defiance—School—City voted $200,000 bonds. Noted July 13.

Ohio, Frederickton—(Official)—High School—School Dist. receiving bids Sept. 8. Ernest V. Ackerman, Clk. Howard & Merriam, 8 East Broad St., Columbus, Arch. Noted July 20.

Ohio, Manumee—Administration Building—Bd. Comrs., Lucas County, receiving bids Aug. 31, Lucas County Childrens Home. G. Cooper, Toledo, County Audr.

Ohio, Norwood—Church—Norwood Baptist Church, Courtland Ave. retained Samuel Hannaford & Sons, 6th and Vine St., Cincinnati, to make plans. About $60,000.

Ohio, Old Fort—School—Bd. Education plans, 2-story, 40x50-ft. About $45,000. H. C. Millott, Bliss Bldg., Sandusky, Arch.

Ohio, Portsmouth—School—Bd. Education receiving bids Aug. 25 for sale of $67,000 bonds.

Ohio, South Webster—High School—Bloom Township plans, 2-story. About $88,000. De Voss & Donaldson, 38 First National Bank Bldg., Portsmouth, Arch.

Ohio, Toledo—Administration Building—Bd. County Comrs. receiving bids Aug. 23, 3-story, 81x97-ft. children's home. About $85,000. T. F. Huber, 752 Spitzer Bldg., Arch. Noted July 27.

Ohio, Warrensville—Tuberculosis Sanitarium—City plans $400,000 bond issue.

Ohio, Warrensville—School—Bee Hive School Dist. votes Aug. 26 on $50,000. Guy W. Shurmer, Clk. Noted July 20.

Ohio, Youngstown—Theater and Lodge—Loyal Order of Moose, No. 79, receiving bids Sept. 1, 8-story, 60x137-ft. About $150,000. G. A. Edelsvard, 1005 Mahoning Bank Bldg., Arch.

Ind., Evansville—Church—St. Johns Evangelical Church making plans. About $125,000. Graham & Hill, 1022 Hume Mansue Bldg., Indianapolis, Arch.

Ind., Ft. Wayne—Odd Fellows making plans for building. About $40,000. A. M. Strauss, Arch.

Ind., Indianapolis—Hotel—Gill-Buennagel Realty Co. granted permit, Washington St. and Senate Ave. About $68,200.

Ind., North Manchester—High and Grade School—Bd. Education plans, 2-story. About $45,000. C. Houck, Vatet Bldg., Muncie, Arch.

Ind., Sullivan—Hospital—Sullivan County Hospital Bd. plans. Kennerly & Spiegemeyer, St. Louis, Arch.

Mich., Bay City—Theater and Office—Commercial Building Co. plans, 3-story on Washington Ave.

Mich., Sturgis—School—J. H. Whitmer, Secy. Bd. Education, receiving bids Aug. 22. About $125,000. Robinson & Campau, 450 Houseman Bldg., Grand Rapids, Arch. Noted Apr. 20.

Ill., Blue Island—High School—Bd. Education soon receives bids, 2-story, 85x150-ft. About $80,000. Miller, Fullenwider & Dowling, 6 North Michigan St., Chicago, Arch. Noted June 15.

Ill., Chicago—High School—Bd. Education making preliminary plans, 3-story addition to Tuley high school. S. F. Hussander, Arch.

Ill., Chicago—School—Bd. Education receiving bids about Sept. 1 for 3-story, 171x221-ft. Kelvin Park School. About $285,000. A. F. Hussander, 7 South Dearborn St., Arch.

Ill., Chicago—School—Bd. Education making plans for 3-story addition to Lawson School. About $110,000. J. A. Guilford, 7 South Dearborn St., Bus. Mgr.

Ill., Chicago—Hotel—J. B. V. Dibelka, Arch., 130 North 5th Ave., making preliminary plans, 7-story, 54x130-ft.

Ill., Chicago—Hotel—P. Gerhardt, Arch., 65 West Randolph St., making plans, 10-story, 90x160-ft. About $460,000.

Ill., Granville—High School—Hopkins Township High School No. 536 plans, 3-story, 80x100-ft. About $50,000. E. A. Payne, Carthage, Arch.

Ill., Lake Forest—Hotel—M. H. Patterson making plans, 3-story addition Deerpath Inn. About $50,000. A. W. Marrow, 1461 Monadnock Blk., Chicago, Arch.

Wis., Appleton—Dormitory—Lawrence College making plans, 3-story, Russell Sage. About $100,000. Childs & Smith, 122 South Michigan Ave., Chicago, Arch. Noted Aug. 10.

Wis., Milwaukee—Administration Building—Isolation Hospital, Mitchell St. and 19th Ave., receiving bids Sept. 1, 2-story rein.-con. Charles E. Maig, City Hall, Arch.

Iowa, Chester—School—E. D. McWilliams, Secy. Independent School Dist., receiving bids Aug. 31 for 2-story, brick. F. H. Moose & Co., Rochester, Arch.

Iowa, Jesup—School—City sold $85,000 bonds. M. Young, Member Bd. of Consolidated School Dist. Noted Aug. 10.

Iowa, Knoxville—(Official)—School—T. G. Gibson, Secy. Independent Dist., rejected bids. New bids Sept. 7. Noted June 22.

Iowa, Valley Junction—School—Bd. Education sold $50,000 bonds

Minn., Detroit—Hotel—C. E. Hamilton plans 3-story, 50x142-ft. About $75,000. E. F. Broomhall, Duluth, Arch.

Minn., Medalia—City Hall and Fire Station—City receiving bids Aug. 21. F. H. Hillesheim, City Clk.

Minn., Mora—High School—City votes Aug. 29 on $40,000 bonds.

Minn., Proctor—School—School Bd. plans. About $50,000. Vernon J. Price, Duluth, Arch.

Minn., St. Cloud—Church—First Presbyterian Church receiving bids about Sept. 1. About $40,000. H. W. Jones, 923 Lumber Exchange Bldg., Minneapolis, Arch.

Neb., Omaha—Field School—Bd. Education making plans, 2-story. About $50,000. G. B. Prinz, 1053 New Omaha National Bank Bldg., Arch.

Neb., Lincoln—University of Nebraska soon receives bids for building. About $140,000. J. S. Dales, Secy. Bd. of Regents. Noted Aug. 3.

Ark., Cave Springs—Hotel—William Bartlett making plans. About $100,000. Snowden Engineering Co., Kansas City, Mo., Arch.

Ark., Hot Springs—Hotel—Como Hotel making plans for addition. T. M. Sanders, Urquhart Bldg., Little Rock, Arch.

Tex., Austin—Bd. of Trustees of State School approved plans for building at Deaf and Dumb Institute. About $65,000. Kuehne, Chasey & Giesecke, Austin, Arch. Noted Aug. 10.

Tex., Dallas—Courthouse—County Comrs. receiving bids Aug. 26. Address County Clk., Dallas.

Tex., Marlin—School—Bd. Education soon receives bids. About $60,000. Noted Apr. 20.

Okla., Ardmore—Pioneer Telephone Co. soon received bids for rein.-con. building at Broadway and B St. About $40,000. Noted June 15.

Calif., Santa Barbara—Clubhouse—Santa Barbara Country Club making plans. About $50,000. Bertram Goodhue, 2 West 47th St., New York, Arch.

Calif., San Francisco—Masonic Temple. A. F. & A. M. plans on 12th St. About $300,000. R. A. Herold, Arch.

Bids In and Contracts Awarded

Vt., Brandon—High School—City let contract, 2-story, 57x106-ft., to T. W. ROGERS, Brandon. About $50,000. Noted June 8.

Mass., Boston—Dormitory—Gordon Bible Institute, Huntington Ave., let contract, 4-story, brick, to HOLT-FAIRCHILD CO., Old South Bldg. Noted Dec. 9.

Mass., Cambridge—Bank—Charles River Trust Co. let contract 2-story, Massachusetts Ave., to GASCOIGNE & GODDARD, 19 Milk St., Boston.

Mass., Framingham—School—Bd. Education received lowest bid for addition to state normal school from Hoyt Co., 443 Broadway, South Boston. R. D. Kimball Co., 6 Beacon St., Engr.

Mass., Lynn—School—City let contract to C. S. CUNNINGHAM & SONS CONSTRUCTION CO., 7 Water St., Boston. About $159,410.

Mass., Milton—School—City received following bids for addition: Joseph Slotnick, 10 Lawrence St., Chelsea, $174,279; Daniel L. Shepard, 46 Cornhill, Boston, $189,680; C. S. Cunningham & Sons Co., 101 Tremont St., Boston, $196,192. Kilham & Hopkins, 9 Park St., Arch. Noted June 29.

R. I., Bristol—School—City let contract, 2-story, 72x129-ft., to W. WILLIAMS, 86 Weybosset St., Providence. About $65,000.

Conn., New Haven—Artillery Armory—Yale University let contract to SPERRY & TREAT CO., 39 Church St. About $75,000.

Conn., Wethersfield—Vacation House—Y. W. C. A. let contract to TRUAX & KEENEY, 26 State St. About $40,000.

N. Y., Alleghany—J. V. Duffy, 128 South 4th St., Olean, low bidder for gymnasium, college and power plant for St. Bonaventure's College. About $125,000. Noted Mar. 2.

N. J., Rochester—Synagogue—Jewish Synagogue let contract 1-story, 113x150-ft. to R. T. FORD & CO., 206 South Ave., Rochester. About $150,000. Noted Aug. 10.

Penn., Donora—School—Bd. of Education let contract addition 1st St. to DONORA LUMBER CO., Meldon Ave. About $244,500.

Penn., Nesquehoning—High School—Bd. Education let contract to ANDREW J. BRESLIN about $59,892.

Penn., Souderton—Eastern Dist. Conference of Mennonites let contract 3-story home for aged to J. B. DELP. About $100,000.

Buildings (Continued)

D. C., Washington—Administration Building and Hospital—Georgetown University Hospital let contract, 6-story, 75x120-ft., to H. B. DAVIS, 813 14th St. About $150,000.

D. C., Washington—Mt. Vernon Seminary let contract main building, including power plant, laundry and garage to BOYLE-ROBINSON CONSTRUCTION CO., 1516 H St., N. W. About $300,000.

D. C., Washington—Church—Methodist Congregation let contract, Massachusetts Ave. and K St., N. W., to BOYLE-ROBERTSON CONSTRUCTION CO., 1516 H St., N. W. About $250,000.

D. C., Washington—Hotel—Powhatan Hotel, 18th St. and Pennsylvania Ave., let contract addition to GEORGE A. FULLER CO., Munsey Bldg.

Va., Weyers Cave—School—Middle River School Bd. let contract to EUTSLER BROS., Grottoes, Va.

Fla., Tampa—J. C. Vinson let contract 3-story, 100x100-ft. rein.-con. building to McGUCKEN & HYER, Tampa. About $50,000.

Miss., Brookhaven—Church—Brookhaven Methodist Congregation received low bid from I. C. Garber, Jackson. About $40,000.

Miss., Tylertown—Jail and Courthouse—Walthall County let contract to LITTLE-CLECKER CONSTRUCTION CO., Anniston, Ala. About $50,000. Noted June 22.

Tenn., Nashville—Church—Woodland St. Presbyterian Church let contract to J. W. PATRICK & CO., 41 Noel Blk. About $50,000. Noted June 15.

Ohio, Akron—Parish House and Church—Church of Annunciation let contract, 2-story, 60x70-ft., to CONVERSE & SON, Massillon. About $40,000.

Ohio, Alliance—School—Bd. Education let contract State St. School, Mt. Union, to WILLING BROS., Bellevue, $54,569.

Ohio, Alliance—Elks' Home—Alliance Lodge No. 467, Benevolent and Protective Order, let contract to J. H. WELLS CO., Cleveland. About $50,000. Noted Feb. 3.

Ohio, Bryan—Auditorium and Gymnasium—Bd. Education let contract to WILLING BROS., Bellevue. About $92,000. Noted Apr. 13.

Ohio, Cincinnati—Library—Lloyd Library and Museum let contract, 4-story addition, Court and Plum St., to W. & A. REUTER, Cincinnati. Noted Aug. 10.

Ohio, Wellington—(Official)—High School—Bd. Education let contract E. CONVERSE & SON, Massillon. Noted July 27.

Mich., Flint—Hospital—Maternity Hospital let contract to H. V. SNYDER & SON, Battle Creek. About $40,000.

Mich., Highland Park—Church—First M. E. Church let contract, 2-story, 80x144-ft., to BYER BROS. CONSTRUCTION CO., 608 Douglas Ave., Kalamazoo. About $40,000.

Ill., Champaign—Hotel—Inman Hotel Co. let contract, 2-story, 80x100-ft. addition, to ENGLISH BROS. About $50,000. Noted Apr. 13.

Ill., Chicago — Club House — Rogers Park Women's Club let contract, 2-story, to J. T. & J. W. O'CONNOR CO., 189 West Madison St. About $45,000.

Ill., Chicago—Hotel—Mary Gates Dawes Hotel let contract, 4-story, 66x130-ft. addition, to J. HAIGH & SON, 140 South Dearborn St. About $100,000.

Ill., Macomb—Art Building—Western Illinois Normal School let contract to A. W. STOOLMAN & CO., Champaign, $89,638. Noted July 20.

Wis., Eau Claire—Hospital—Luther Hospital let contract 3-story, stone and concrete, to HOEPPNER CONSTRUCTION CO.

Wis., Park Falls—School—City let contract, 2-story, 60x123-ft., to MICHIE CONSTRUCTION CO., 35th and National Ave., Milwaukee. About $50,000. Noted July 20.

Wis., Somerset—Church—St. Ann's Congregation let contract to OTTO NEITGE. About $45,000. Noted June 1.

Iowa, Floyd—School—City let contract to J. J. PETERSON, Waterloo, $45,000.

Iowa, Lacona—High and Grade School—Independent School Dist. let contract to ENSLOW & BEST, Chariton.

Iowa, Ottumwa—Lodge Building and Garage—Local I. B. O. F. Lodge let contract, 3-story, brick, to OTTUMWA MILL AND CONSTRUCTION CO.

Minn., Duluth—Church—Pilgrim Congregational Church let contract to GEORGE H. LOUNSBERRY. About $103,000. Noted Aug. 10.

Minn., Minneapolis — Dormitory — Norwegain Lutheran Deaconess Hospital let contract, 2-story, 45x122-ft., to ANDREW LARSON & SON, 3121 South 17th Ave. About $40,000.

N. D., Minot—High School—School Dist. No. 1 let contract to D. A. DINNIE, Minot. About $150,000. Noted July 6.

Mont., Three Forks—School—Dist. No. 24 let contract, Gallatin and Broadwater St., to D. M. ANDERSON. About $40,000.

Tex., San Antonio—Club House—Contract San Antonio Country Club House let to COLEMAN & JENKINS. About $55,000.

Colo., Colorado Springs—Railway Station and Hotel—Atchison,Topeka & Santa Fe Ry. let contract to C. E. FELLOWS, 500 Central Bldg., Los Angeles. About $250,000. Noted Apr. 27.

Utah, Salt Lake City—School—Bd. Education let contract to J. H. ANGELL, Salt Lake City. About $43,956.

Wash., Tacoma—Feist & Bachrach soon lets contract for 4-story brick building on 13th St. About $55,000. Heath & Gove, National Realty Bldg., Arch.

Calif., Los Angeles—Building—Valentine Kratz let contract 5-story rein.-con. to LEONARD & PECK, H. W. Hellman Bldg. About $46,600. Noted June 15.

TRADE PUBLICATIONS

R. I. W. Preservative Paints and Compounds. Toch Bros., 320 Fifth Ave., New York. Red Book. Pp. 32. 5½x8 in. This is the 1916 edition of this book containing information on preservative and decorative paints and compounds which ought to be useful to engineers, architects, contractors, etc.

Vulcan Soot Cleaners. Vulcan Soot Cleaner Co., Du Bois, Penn. This is a 92-page book on the subject of soot and the application of the soot cleaners made by this company. As a frontispiece there is a four-color reproduction of actual specimens of soot from different boilers and with different fuels.

Protecting the Water Supply of Greater New York. Wallace & Tiernan Co., Inc., 136 Liberty St., New York. Pamphlet. 7x10 in. From 450 to 550 million gallons of water a day are being chlorinated at seven different city-owned plants in Greater New York by Wallace & Tiernan liquid chlorine apparatus pictured and briefly described herein.

Bar Benders, Sandwich Pumping Outfit. D. A. Hinman & Co. Sandwich, Ill. Catalog. Pp. 8; 4x9 in. This illustrates and describes the different types of bar benders and diaphragm pump made by this company.

Brownhoist Locomotive Cranes. The Brown Hoisting Machinery Co., Cleveland, Ohio. Catalog I. Pp. 64; 6x9 in. Illustrated.

Concrete Mixers. The Jaeger Machine Co., Columbus, Ohio. Catalog. Pp. 36, 6x9 in. Illustrated.

Differential Electric Dumping Car. Differential Car Co., Nashville, Tenn. Catalog. Pp. 10; 5x7 in. This illustrates and describes a dump car with traversing body designed for electric-railway service. Dumps clear of the track. Body is low, making hand loading convenient, the floor being only 3½ ft. above the rail.

K-B Pulverizer. K-B Pulverizer Co., Inc., 86 Worth St., New York. Folder. Pp. 4. Illustrated.

Mikado Type Locomotives. Baldwin Locomotive Works, Philadelphia, Penn. Record No. 83. Pp. 32; 6x9 in. Illustrated.

Overhead Carrying Devices. New Jersey Foundry and Machine Co., 90 West St., New York. Catalog 88. Pp. 48; 6x9 in. Illustrated. This catalog describes the tracking, trolleys, hoists, cranes, cars, etc., made by the company.

Steam and Electric Shovels, Dredges, Excavators, Etc. Bucyrus Co., South Milwaukee, Wis. Catalog No. 15. Pp. 40; 6x9 in. Illustrated.

The Indestructible Roof. Federal Cement Tile Co., 905-7 Fort Dearborn Bldg., Chicago, Ill. Pp. 68; 7x8½ in. This describes the reinforced cement tile made by this company and its application to various buildings.

Vitrified Roofing Tiles. The Akron Roofing Tile Co., Akron, Ohio. Catalog. Pp. 24; 8x9 in. In addition to roofing tiles this shows crestings, finials and hip rolls and floor tile.

"Watch Your Sand." The Concrete Appliances Co., Inc., 149 Broadway, New York. Appliance Bulletin No. 2. Pp. 12; 4x9 in. This contains information about sand and describes the Universal Sand Tester made by this company.

In Portuguese East Africa, Mozambique Province, according to the Department of Foreign and Domestic Commerce the governor general is planning for a further loan of $15,000,000 to be spent on the ports and railways of the Province. A railway is to be constructed from Mozambique, running inland and tapping a magnificent agricultural country. It is also planned to extend the Quelimane Railway to Port Herald and Lake Nyassa; also to continue the Moamba-Xinavane Railway across the Incomati River, through Gazaland, across the Limpopo River, and to connect it with the Inhambane Railway, thus forming the first link in a line extending through the Province and up the coast.

The F. W. Mark Construction Co. has opened an office in Philadelphia, Penn., 1701 Finance Bldg., to obtain contracts in this locality.

1915 Lumber Cut by Species—The statement of the 1915 lumber cut by species is announced by the Forest Service today. The table gives the incomplete reported cut of each principal species and the probable total cut of each included in the computed total production of lumber of all kinds, 37,013,294,000 bd.ft., which was announced the last of April.

The total figures for exclusive Western species were carefully worked out by the Forest Service Western offices, which are very familiar with the mills in their respective districts, while the rounted totals for Eastern species were worked up by the Washington office, which obviously cannot be as familiar with the many thousand mills east of the Rocky Mountains.

The probable grand total 1915 cut, assuming more mills active than could consistently be considered in arriving at the computed total, is believed to be not more than 38,000,000,000 ft.

The reported cut of lath in 1915 was 2,745,134,000 and it is estimated that the total cut was 3,250,000,000. The reported cut of shingles was 8,459,378,000 and the estimated total cut 9,500,000,000.

The average 1915 value of each principal kind of lumber reported by the mills are also given. The figures are preliminary rounded values, but are based on the data reported by mills in the principal states producing each kind of lumber, and are therefore very close to the final averages to be announced later:

Kind of Wood	Probable Total M Ft.	Reported M Ft.	Value Per M
Yellow pine	14,700,000	12,177,335	$12.50
Douglas fir	4,431,249	4,121,897	10 50
Oak	2,970,000	2,070,444	19.00
White pine	2,700,000	2,291,480	18.00
Hemlock	2,275,000	2,026,460	13 00
Western pine	1,293,985	1,252,244	14 50
Cypress	1,100,000	926,758	20 00
Maple	900,000	771,223	15 00
Red gum	655,000	478,099	12 50
Chestnut	490,000	399,473	16.00
Yellow poplar	464,000	377,386	22.50
Redwood	420,294	418,824	15.50
Cedar	420,000	352,482	15 50
Birch	415,000	355,328	16 50
Larch	375,000	348,428	11.00
Beech	360,000	303,835	14 00
Basswood	260,000	207,607	19 00
Elm	210,000	177,748	17.00
Ash	190,000	159,910	22.50
Cottonwood	180,000	138,282	17 50
Tupelo	170,000	153,001	12.00
White fir	125,048	121,653	11.00
Sugar pine	117,701	115,109	....
Hickory	100,000	86,015	23 50
Balsam fir	100,000	71,358	14.00
Walnut	99,000	65,144	....
Lodgepole pine	26,486	22,672	13 00
Sycamore	25,000	19,729	14 00
All other kinds	49,531	37,826	....
Total	37,013,294	51,241,734	

The Chamber of Commerce of the U. S., states that manufacturing is practically everywhere in excellent condition with factories full of orders, the committee reports, labor fully employed and the products commanding high prices. The only exceptions are where strikes prevail. The lumber industry varies from poor to good in different sections, according to various local conditions. On the Pacific Slope complaint is made of lack of export market and of shipping facilities, while in the southwestern portions of the country the story is the lack of orders in some cases and in others the lack of cars to move the product. As a whole, the industry is in better shape than for many years. Stone and mable quarries of all descriptions are very busy. This is not true of slate, which is generally dull. The building industry is reported to be in generally excellent shape. It is, in the opinion of the committee, the best barometer of general business, since building in the country districts means the extensive use of materials in almost every line of commercial business. Despite the high prices of material, the committee report concludes, the building outlook continues good.

PAVING, NEWARK, N. J.

Bids were received Aug. 10 by city for paving Ave. R from Peddie St. to Lincoln Highway from (A) NEW YORK & NEW JERSEY CONSTRUCTION CO., Newark (awarded contract); (B) Van Keuren & Son, Harrison; (C) O'Gara & McGuire, Newark; W. J. Coughlin, Jersey City, $239,150; Holbrook, Cabot & Rollins Corporation, $247,260. The item bids of the 3 lowest bidders were as follows:

	A	B	C
370,000 cu.yd. embankment	$0.37	$0.47	$0.58
10,375 lin.ft. 4x10-in. yellow pine planking per M ft. b.m.	40.00	52.00	45.00
4,500 lin.ft. short leaf yellow pine piles	.18	.35	.41
420 lin.ft. 12x12-in. yellow pine caps and guard timbers	50.00	57.00	45.00
1,470 lin.ft. 8x14-in. yellow pine stringers	50.00	52.00	45.00
8 M. ft. b.m. 2x10-in. yellow pine flooring	40.00	57.00	55.00
2,400 lin.ft. 2x8-in. yellow pine planking for guard fences	35.00	55.00	45.00
400 lin.ft. 4x6-in. yellow pine posts	40.00	55.00	45.00
250 lin.ft. 4-in. reinforced-concrete pipe	7.00	4.75	11.00
250 lin.ft. 5-in. reinforced-concrete pipe	9.00	6.25	12.50
170 lin.ft. 5x5 ft. reinforced-concrete culvert	10.00	20.75	10.50
1,340 lin.ft. 6x12-in. yellow pine grillage timber	50.00	55.00	45.00
6,030 lin.ft. 3x12-in. yellow pine grillage planking	40.00	55.00	45.00
Extended totals	$147,534	$186,968	$228,461

CALUMET INTERCEPTING SEWER, CHICAGO, ILL.
Contract No. 7

Bids were received by the Sanitary District of Chicago, Aug. 3, for Contract No. 7 of the Calumet Intercepting Sewer from (A) T. J. Forschner Contracting Co., Lemont; (B) H. J. McNichols Co., Chicago; (C) Nash-Dowdle Co., Chicago. The item bids were as follows:

	A	B	C
8,200 lin.ft. spoil area furnished concrete sewer, 16x16 ft.	$70.00	$72.00	$74.00
8,200 lin.ft. spoil area furnished brick and concrete sewer, 16x16 ft.	80.00	80.50	80.00
8,200 lin.ft. spoil removed by contractor concrete sewer, 16x16 ft.	71.00	74.00	76.00
8,200 lin.ft. spoil removed by contractor brick and concrete sewer, 16x16 ft.	81.00	82.50	84.50
2,470 lin.ft. spoil area furnished concrete sewer, 16x13.4 ft.	60.00	63.00	68.00
2,470 lin.ft. spoil area furnished brick and concrete sewer, 16x13.4 ft.	70.00	70.50	76.00
2,470 lin.ft. spoil removed by contractor concrete sewer, 16x13.4 ft.	61.00	65.00	78.00
2,470 lin.ft. spoil removed by contractor brick and concrete sewer, 16x13.4 ft.	71.00	72.50	82.00
600 lin.ft. spoil area furnished concrete box sewer, 16x13 ft.	60.00	62.50	68.00
600 lin.ft. spoil removed by contractor concrete box sewer, 16x13 ft.	61.00	64.50	70.00
12 manholes on 16x16-ft. sewer, concrete	90.00	60.00	60.00
12 manholes on 16x16-ft. sewer, brick	90.00	60.00	70.00
5 manholes on 16x13.4-ft. sewer, concrete	90.00	60.00	60.00
5 manholes on 16x13.4-ft. sewer, brick	90.00	60.00	70.00
1 manhole on 16x13-ft. sewer, concrete	50.00	60.00	60.00
1 manhole on 16x13-ft. sewer, brick	50.00	60.00	70.00
Change of section at controlling works (lump sum)	200.00	500.00	400.00
Overflow chamber at Wentworth Ave. (lump sum)	20,000.00	18,500.00	9,000.00
Gaging chamber (lump sum)	4,000.00	3,300.00	500.00
Crossing at Michigan Ave. (lump sum)	3,000.00	4,800.00	1,500.00
Crossing under P.C.C. & St.L.R.R. (required) (lump sum)	4,000.00	1,500.00	1,450.00
Crossing under P.C.C. & St.L.R.R. (optional) (lump sum)	500.00	3,500.00	5,600.00
Connection at Halsted St. (lump sum)	1,500.00	1,350.00	500.00
10 Tile pipe for future connections 18 in.	3.00	10.00	2.00
25 Tile pipe for future connections 12 in.	2.00	5.00	1.00
100 lin.ft. laying 15 in. tile pipe	2.00	2.00	1.50
1,500 lin.ft. laying 12-in. tile pipe	1.75	1.75	1.00
100 lin.ft. laying 9-in. tile pipe	1.50	1.00	.75
850 lin.ft. laying 6-in. tile pipe	1.00	.75	.65
12 manholes on tile pipe sewers	70.00	40.00	40.00
1 catch basin	60.00	75.00	50.00
10 water service connections	15.00	15.00	10.00
50 lin.ft. relaying water service pipes	1.50	2.00	1.25
2,000,000 lb. reinforcing steel	.04½	4½	.03
12,000 lb. structural steel	.06	.06	.06
20,000 lb. iron castings	.06	.05	.05
500 lin.ft. additional piling furnished	.30	.20	.30
500 lin.ft. additional piling driven	.30	1.00	.40
5 M ft. b.m. cribwork on piling	50.00	50.00	55.00
5 M. ft. b.m. stop plank woodwork, etc.	100.00	60.00	70.00
160 M. ft. b.m. plank roadway	40.00	40.00	38.50
4,000 cu.yd. additional excavation of spoil	.60	.75	.30
20 cu.yd. rubble stone	4.00	10.00	5.00
3,000 lin.ft. moving fences	.20	.15	.50
5 M. ft. b.m. sheeting, shoring and bracing left in place	20.00	20.00	20.00
1 M. ft. b.m. plank foundation	25.00	25.00	25.00
5 cu.yd. additional earth excavation, open cut	.75	.75	.75
5 cu.yd. rock excavation	3.00	3.00	3.00
5 cu.yd. additional concrete, Class A	8.00	8.00	8.00
5 cu.yd. additional concrete, Class B	7.50	7.50	7.50
5 cu.yd. additional concrete, Class C	7.00	7.00	7.00
5 cu.yd. additional brickwork	9.00	9.00	9.00
Extended totals for concrete sewer spoil area furnished	$900,761	$925,853	$920,561
Extended totals for brick and concrete sewer spoil area furnished	1,007,461	1,014,078	989,701
Extended totals for concrete sewer spoil removed by contractor	912,031	948,393	962,861
Extended totals for brick and concrete sewer spoil removed by contractor	1,018,731	1,036,618	1,042,621

The Corrugated Bar Co., Mutual Life Bldg., Buffalo, N. Y., has further organized with the following officers: A. C. Garrison, Pres.; A. L. Johnson, Vice-Pres. and Gen. Mgr.; W. H. Kennedy, Vice-Pres. and Treas.; R. McCarty, Secy.; A. E. Lindau, Mgr. of Sales. These changes are effective Sept. 1.

INTERCEPTING SEWER, NEWARK, N. J.—Section 22

Bids were received by Passaic Valley Sewerage Commissioners for Section 22 of Intercepting Sewer, Lawrence St. branch, Paterson, from (A) Cenedella & Co., Passaic; (B) CULP CO., INC., Paterson (awarded contract). The item bids were as follows:

	A	B
350 lin.ft. earth excavation and refilling in trench for 36-in. concrete sewer	$6.25	$8.40
2,215 lin.ft. earth excavation and refilling in trench for 30-in. concrete sewer	5.00	8.00
670 lin.ft. earth excavation and refilling in trench for 15-in. vitrified pipe sewer	4.50	5.00
390 lin.ft. earth excavation and refilling in trench for 12-in. vitrified pipe sewer	4.00	4.00
340 lin.ft. earth excavation and refilling in trench for 8-in. vitrified pipe sewer	3.00	3.00
1,200 cu.yd. concrete masonry	10.50	8.00
250 cu.yd. brick masonry	17.00	.01
50 cu.yd. rock excavation in trench	6.00	6.00
Excavation and refilling for special structures in local sewers (lump sum)	8,000.00	7,910.00
Furnishing and installing 8-set sewage regulating apparatus (lump sum)	600.00	560.00
Furnishing and installing back-water gates in local sewers (lump sum)	3,600.00	1,575.00
Extended totals	$48,207	$46,537

RAPID TRANSIT SYSTEM, NEW YORK, N. Y.—Duct Line

Bids were received by Public Service Commission, 120 Broadway, July 17, for Walton Ave. and 157th St. duct line, Seventh Avenue-Lexington Avenue Rapid Transit R.R., from (A) T. H. Reynolds Construction Co.; (B) Robert Benenson; (C) Beaver Engineering and Contracting Co.; L. T. Moran, $11,813; Thomas Crimmins Contracting Co., $12,318; Henry Fox Contracting Co., $13,732; Thomas H. Brown, $13,836; Thomas Dwyer, $14,987; G. M. Gest, $15,522; Rice & Ganey, $16,777. The item bids of the 3 lowest bidders were as follows:

	A	B	C
900 cu.yd. earth excavation	$1.00	$3.50	$1.15
300 cu.yd. rock excavation	2.50	3.50	1.50
75 cu.yd. concrete masonry	9.00	8.00	8.00
15 cu.yd. brick masonry	12.00	10.00	12.00
250 lin.ft. 4-in. vitrified pipe	1.00	.35	.10
43,200 duct. ft. railroad ducts	.16	.12½	.19
Removing manhole roof, etc.	20.00	25.00	300.00
2 ton steel beams and shapes	90.00	80.00	70.00
1 ton steel rods and bars	100.00	60.00	60.00
3 tons miscellaneous iron castings	75.00	80.00	50.00
600 sq.yd. all street surface restored	.05	.10	.10
100 lin.ft. restoring old curb	.15	.25	.05
100 lin.ft. 12-in. vitrified pipe sewer	.05	.01	.25
100 lin.ft. 15-in. vitrified pipe sewer	.05	.05	.35
100 lin.ft. 18-in. vitrified pipe sewer	.05	.05	.45
100 lin.ft. 6-in. water pipe	.05	.05	.10
100 lin.ft. 12-in. water pipe	.05	.05	.15
10 water service connections	.50	.10	1.00
100 lin.ft. 24-in. gas pipe	.05	.10	.25
10 gas service connections	.50	.10	1.00
2 ton new c.-i. hub and spigot straight pipe	2.50	50.00	35.00
1 ton new c.-i. hub and spigot pipe, special castings	5.00	50.00	65.00
200 duct ft. electric ducts and conduits	.05	.12½	.20
10 electric service connections	.50	.25	1.00
100 duct ft. fibre electric ducts and conduits	.05	.12½	.25
Extended totals	$10,307	$11,121	$11,598

RESERVOIR, WILMINGTON, DEL.

Bids were received by Board of Water Commissioners for constructing the Rodnet St. Reservoir from (A) WILLIAMS & KINNAMAN, Baltimore (awarded contract); (B) Suburban Engineering Co., New York; (C) J. F. Rogers Co.; C. B. Clark Co., $152,909; Scheidenhelm Construction Co., $159,945; W. J. Coughlin, $163,044; Whiting-Turner Construction Co., $164,189; J. E. Bunting Co., Inc., $173,576; Edward L. Bader, $178,226. The item bids of the 3 lowest bidders were as follows:

	A	B	C
22,000 cu.yd. earthwork	$0.87	$0.65	$0.67
20 cu.yd. rock excavation	2.50	5.00	3.50
Rolling reservoir foundation (lump sum)	200.00	250.00	200.00
475 cu.yd. cinder fill	1.00	1.60	1.00
8,000 cu.yd. stone concrete	8.35	10.00	10.80
44 cu.yd. cinder concrete	8.35	15.00	10.00
3,800 cu.ft. granolithic floor surfacing	.06	.06	.06
550,000 lb. steel reinforcement	.048	.054	.045
Piping, valves, and castings (lump sum)	6,500.00	8,400.00	7,950.00
Miscellaneous w.i. and 3,000 lb. steel work	.15	.15	.08
Fences and railings (lump sum)	3,500.00	2,750.00	2,300.00
2,500 lin.ft. laying electric conduits	.03	.15	.125
2,930 sq.yd. asphalt pavement	1.10	1.20	1.40
sq.yd. brick pavement	1.72	1.20	2.40
Shelter (lump sum)	1,800.00	2,000.00	2,140.00
Gate house (lump sum)	2,500.00	2,300.00	1,400.00
725 lin.ft. stair treads	.75	.40	.45
Seeding (lump sum)	80.00	120.00	245.00
5,000 sq.yd. sodding	.25	.30	.40
Extended totals	$134,713	$148,509	$149,960

The State Highway Department, Harrisburg, Penn., received a practical offer of co-operative assistance in road building from a corporation engaged in business in this state. The Maintenance Division of the State Highway Department had ordered 750 tons of cinders at the market price of 7c. a ton from the New Jersey Zinc Co. of Pennsylvania, located at Palmerton, Carbon County. A letter was received from the company sending back the requisitions and stating that they desired to have them reissued inasmuch as the company would be glad to furnish the cinders free. The Supply Agent for the company added that this company was greatly interested in improving roads and would be glad to be able to help the State Highway Department out with this material.

The Studebaker Municipal Utilities Co., South Bend, Ind., has been organized to take over the Ottofy and various other patents covering the modern art of street flushing. The Ottofy patent has been under litigation for more than five years but the claim has been sustained by the courts. Flushers manufactured under these patents will in the future be marketed through the Vehicle Division of the Studebaker organization.